

Internship Program

Clinical Ultrasound in Emergencies and Intensive Care for Nursing



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Internship Program
Clinical Ultrasound in Emergencies
and Intensive Care for Nursing

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01 Introduction

Nursing professionals have gained ground within the clinical practice. Specifically, in relation to Intensive Care and Ultrasound procedures, they excel in providing the physician with rigorous assistance. At the same time, not everyone is able to keep up with the practical applications of the latest work resources. In a context where theory-heavy educational programs predominate, TECH breaks new ground with a disruptive learning modality. The program facilitates the updating of nurses in a hospital environment, where they will acquire skills in the use of the most modern technologies. Over the course of 3 weeks, they will participate in dynamic care exercises and assignments alongside prestigious experts and a demanding adjunct tutor.



Enroll in TECH and become an elite nurse with a high level of specialization in the use of the latest generation of clinical ultrasound equipment"





Nursing staff are essential in the hospital environment and are increasingly taking on challenges and responsibilities of a higher caliber. In the Intensive Care setting, they are expected to be able to assume the physician's assistance with excellence and a thorough domain of all the working tools at their disposal. The use of Clinical Ultrasound devices is one of the areas that currently demands a more professional management from them. However, professionals are not always up to date with the advances in these health areas because most of the educational programs available to them have a heavy theoretical load.

Aware of these shortcomings in the educational landscape, TECH presents this innovative program. The Internship Program in Clinical Ultrasound in Emergencies and Intensive Care for Nursing provides intensive, face-to-face learning, focused on the acquisition of new skills. The teaching itinerary consists of an immersive stay in a hospital center of high prestige. At this facility, you will have the opportunity to handle the most modern technological resources and implement its advantages in the care of real doctors and patients.

This educational modality will have an extension of 3 weeks, distributed in days of 8 consecutive hours, from Monday to Friday. During this time, the nurse will work together with leading experts who will provide personalized advice based on the latest scientific evidence. An assistant tutor will also supervise their progress and will gradually insert dynamic tasks that will reinforce the learning process. Upon completion of this program, the student will bring the best skills in this area of Nursing to his workspace.

02

Why Study an Internship Program?

Nowadays, the nursing staff has acquired greater responsibilities in the hospital environment and, in particular, related to Intensive Care. This demanding scenario has led professionals to seek to keep up to date with the applications of modern equipment such as Clinical Ultrasound devices. However, in the educational market, educational programs that analyze the practical skills necessary for this update are not prevalent. Therefore, TECH is committed to this educational modality, 100% face-to-face and intensive, where the nurse will be able to apply modern work protocols and handle technological resources directly on real patients.



TECH presents this learning modality where you will not have to worry about excessive theory and you will develop skills from the direct handling of the best clinical nursing resources"

1. Updating from the latest technology available

Ultrasound methodologies have advanced considerably in recent years thanks to the evolution of ultrasound machines and other clinical imaging devices. In order to update the nursing staff on their applications, TECH provides a rigorous and demanding face-to-face and intensive stay. Each professional will be transferred to a prestigious hospital center and will complete 3 weeks of training.

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

Graduates of this educational modality will be able to work alongside the best experts during this Internship Program. During 120 educational hours, they will receive personalized personalized advice from these prestigious figures in the field of nursing. Likewise, an assistant tutor will be in charge of supervising the learning process and will insert dynamic tasks that will complement the preparation of each one of them.

3. Entering First-Class Clinical Environments

After a thorough selection process, TECH has identified institutions of international prestige to integrate the practice centers of this program. These entities stand out for their state-of-the-art tools that facilitate the practice of Nursing related to Clinical Ultrasound and Intensive Care. Also, they have a team of renowned experts, duly updated regarding all the innovations of the sector.



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

In the academic market, where programs with a high theoretical content load prevail, TECH launches an innovative learning experience. In it, the nurse will develop practical skills in a real clinical scenario, where he will apply cutting-edge procedures on real patients. Through this mode of study, they will be able to consolidate their knowledge and, after 3 weeks, they will apply it to their daily practice with full guarantees.

5. Expanding the Boundaries of Knowledge

The nurse will have the opportunity to update skills from a hospital facility of international prestige. In this way, they will expand the frontiers of their update according to the latest scientific evidence and the most global care standards. It is, without a doubt, a unique opportunity that only TECH, the largest online university in the world, could offer.



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

03 Objectives

With this Internship Program, the nurse will get to be updated on the most modern activities and skills of his professional area regarding Clinical Ultrasound and Intensive Care. To do so, he will be supported by a face-to-face and intensive stay, from a prestigious hospital facility, with state-of-the-art health resources.



General Objectives

- Update your knowledge on ultrasound imaging and its multiple possibilities
- Deepen the working protocols of the nursing staff for the management of emergency situations and critical patients
- Master the different procedures of cannulation, vascularization and intubation that are ultrasound-guided and require the intervention of the nursing staff



Don't miss this opportunity to become an up-to-date nurse and enroll now in this Internship Program in Clinical Ultrasound in Emergencies and Intensive Care for Nursing"





Specific Objectives

- ◆ Establish an appropriate ultrasound sequence for each examination of a patient
- ◆ Explain the principles of echonavigation
- ◆ Define the different types of sonographs and their applications
- ◆ Describe the different ultrasound planes
- ◆ Mastering Cardiac Anatomy
- ◆ Identifying the different structural alterations in the cardiac ultrasound
- ◆ Manage the examination technique of thoracic ultrasounds
- ◆ Recognize the principles of chest wall, pleural, mediastinal, pulmonary and diaphragmatic ultrasound
- ◆ Apply the principles of the thoracoabdominal great vessels, supra-aortic trunks and for the peripheral arterial circulation ultrasound
- ◆ Examine cerebral hemodynamics
- ◆ Recognize the different structural and hemodynamic alterations in brain ultrasound
- ◆ Know how to apply ECO FAST methodology
- ◆ Explain the principles of ultrasound in the most frequent acute injuries of the musculoskeletal system
- ◆ Define the application of ultrasound in shock, respiratory failure, sepsis, stroke and abdominal pain
- ◆ Perform lumbar puncture procedures, drainage and catheterization, intubation and vascular cannulation using ultrasound-guided protocols
- ◆ Know the examination techniques in pediatric ultrasound
- ◆ Describe pediatric sonoanatomy and sonophysiology

04 Educational Plan

This TECH Internship Program will be implemented in days of 8 consecutive hours, from Monday to Friday, to complete 3 weeks of face-to-face education. Throughout this intensive stay, the nurse will have access to the most modern working tools and will be able to apply their advantages directly on real patients. This unique on-site learning opportunity will allow him to update his knowledge on intervention strategies and recent protocols that are relevant to his professional area.

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.

On the other hand, the nurse will also work directly with prestigious experts. Together with them, they will clarify doubts and perfect their practical skills until they achieve excellence. Additionally, an assistant tutor will closely monitor your academic progress. At the same time, he will insert dynamic tasks into the learning process that contribute to a faster and more flexible assimilation of the concepts of interest.

The practical teaching will be carried out with the active participation of the student performing the activities and procedures of each area of skill (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 skills for the praxis of Nursing (learning to be and learning to relate).





The procedures described below will be 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 volume of work, the proposed activities being the following:

Module	Practical Activity
Latest technologies of Clinical Ultrasound for Nursing	Differentiate the types of Doppler available in the diagnostic imaging market and their most frequent uses
	Handle the most advanced ultrasound equipment and its different applications in the clinical setting
	Identify the technological devices that make possible the diagnostic imaging of small parts such as the ocular and optic nerve ultrasound
	Master the transducers and probes that facilitate the diagnostic imaging process
Protocols of Clinical Ultrasound and Intensive Care	Review and maintain order and cleanliness of rooms and ultrasound scanners
	Replenish necessary material
	Collaborate in the performance of basic sonoanatomy
	Collect the images and tests obtained by Clinical Ultrasound
Nursing Procedures in Clinical Ultrasound	Apply NICE venous ultrasound methodologies
	Implement ultrasound-guided pericardiocentesis techniques
	Use paracentesis methods to support ultrasound procedures
	Perform the most modern techniques of drainage and catheterization, for which the nursing staff is responsible
Disinfection protocols of ultrasound material for Nursing	Implement Ultrasound Transducer Reprocessing Guidelines
	Develop high-level disinfection for invasive transvaginal probes
	Use autoclaves and other intensive cleaning equipment

05

Where Can I Do the Internship Program?

For this Internship Program, TECH has selected prestigious institutions where the Nursing staff is decisive in the practice of Clinical Ultrasound in Emergencies and Intensive Care for Nursing During the intensive and face-to-face stay in these reference centers, the nurse will handle first class technologies and will become familiar with working protocols in situ, until maximum efficiency is achieved. At the same time, they will acquire practical skills through direct collaboration with renowned experts.



This program will open the doors of a clinical institution, equipped with the best technological resources, where you will complete your update in Intensive Care for Nursing with the best experts"





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



Nursing

Hospital HM Modelo

Country City
Spain La Coruña

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

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

Related internship programs:

- Anaesthesiology and Resuscitation
- Palliative Care



Nursing

Hospital HM Rosaleda

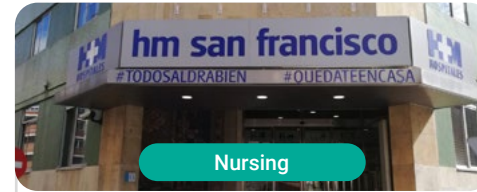
Country City
Spain La Coruña

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

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

Related internship programs:

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Nursing

Hospital HM San Francisco

Country City
Spain León

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

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

Related internship programs:

- Update in Anesthesiology and Resuscitation
- Trauma Nursing



Nursing

Hospital HM Regla

Country City
Spain León

Address: Calle Cardenal Landázuri, 2, 24003, León

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

Related internship programs:

- Update on Psychiatric Treatment in Minor Patients



Nursing

Hospital HM Nou Delfos

Country City
Spain Barcelona

Address: Avinguda de Vallcarca, 151, 08023 Barcelona

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

Related internship programs:

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Nursing

Hospital HM Madrid

Country City
Spain Madrid

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

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

Related internship programs:

- Palliative Care
- Anaesthesiology and Resuscitation



Nursing

Hospital HM Montepíncipe

Country City
Spain Madrid

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

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

Related internship programs:

- Palliative Care
- Aesthetic Medicine



Nursing

Hospital HM Torrelodones

Country City
Spain Madrid

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

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

Related internship programs:

- Anaesthesiology and Resuscitation
- Palliative Care



Nursing

Hospital HM Sanchinarro

Country: Spain City: Madrid

Address: Calle de Oña, 10, 28050, Madrid

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

Related internship programs:

- Anaesthesiology and Resuscitation
- Palliative Care



Nursing

Hospital HM Nuevo Belén

Country: Spain City: Madrid

Address: Calle José Silva, 7, 28043, Madrid

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

Related internship programs:

- General and Digestive System Surgery
- Clinical Nutrition in Medicine



Nursing

Hospital HM Puerta del Sur

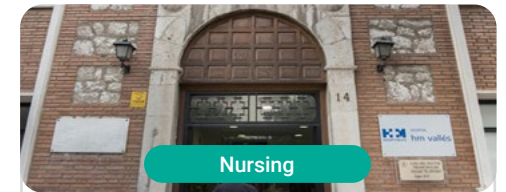
Country: Spain City: Madrid

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

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

Related internship programs:

- Palliative Care
- Clinical Ophthalmology



Nursing

Hospital HM Vallés

Country: Spain City: Madrid

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

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

Related internship programs:

- Gynecologic Oncology
- Clinical Ophthalmology



Nursing

Policlínico HM Distrito Telefónica

Country: Spain City: Madrid

Address: Ronda de la Comunicación, 28050, Madrid

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

Related internship programs:

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



Nursing

Policlínico HM Gabinete Velázquez

Country: Spain City: Madrid

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

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

Related internship programs:

- Clinical Nutrition in Medicine
- Aesthetic Plastic Surgery



Nursing

Policlínico HM Las Tablas

Country: Spain City: Madrid

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

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

Related internship programs:

- Trauma Nursing
- Diagnosis in Physiotherapy



Nursing

Policlínico HM Moraleja

Country: Spain City: Madrid

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

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

Related internship programs:

- Rehabilitation Medicine in Acquired Brain Injury Management



Policlínico HM Sanchinarro

Country	City
Spain	Madrid

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

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

Related internship programs:

- Gynecological Care for Midwives
- Nursing in the Digestive System Service



Policlínico HM Imi Toledo

Country	City
Spain	Toledo

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

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

Related internship programs:

- Electrotherapy in Rehabilitation Medicine
- Hair Transplantation

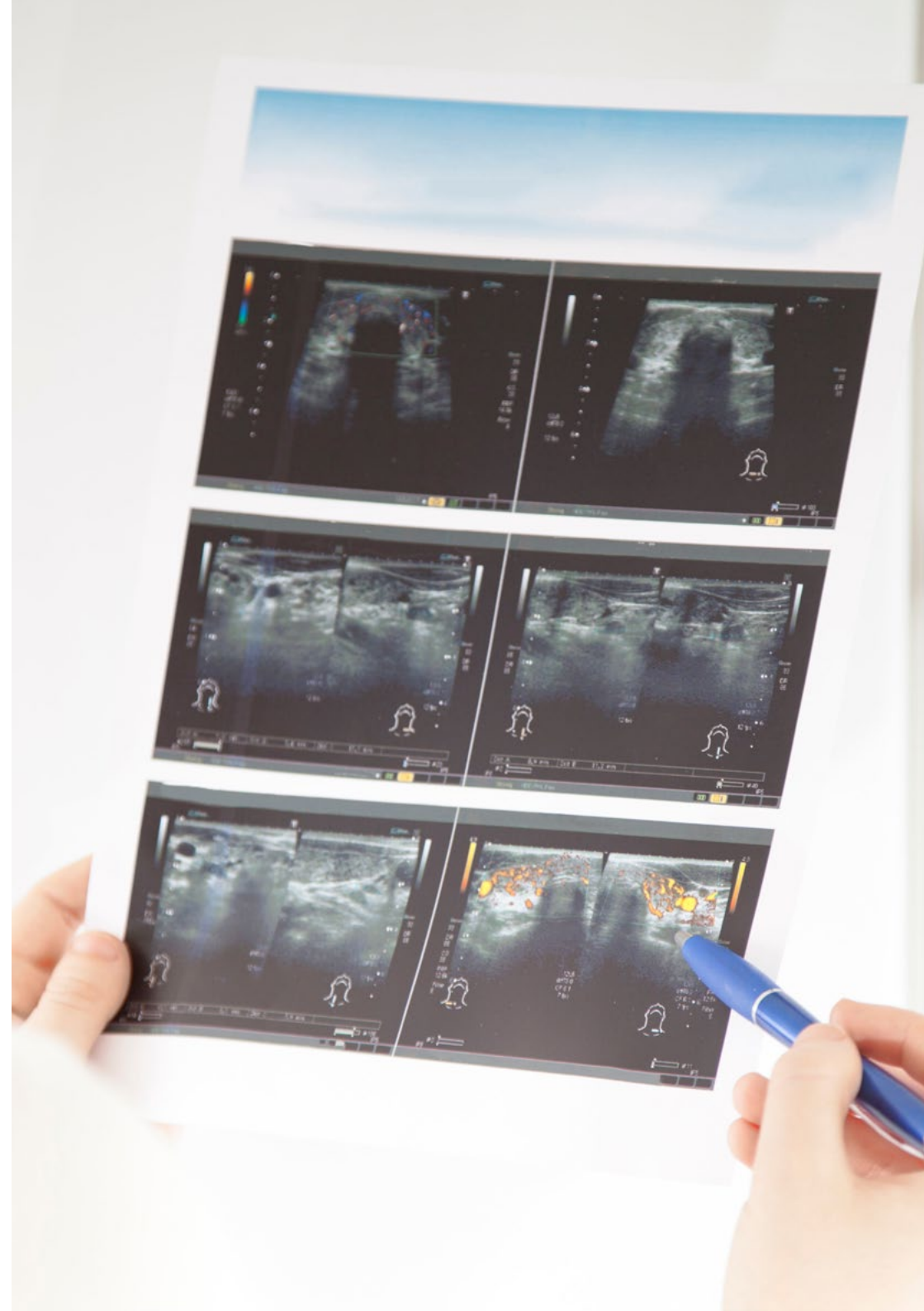
06 General Conditions

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. In this way, the professional will not have to worry in case he has 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 Clinical Ultrasound in Emergencies and Intensive Care for Nursing** 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 certificate issued by TECH will reflect the grade obtained in the test.

Title: **Internship Program in Clinical Ultrasound in Emergencies and Intensive Care for Nursing**

Duration: **3 weeks**

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

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



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