

# Internship Program Proctology



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Internship Program  
Proctology

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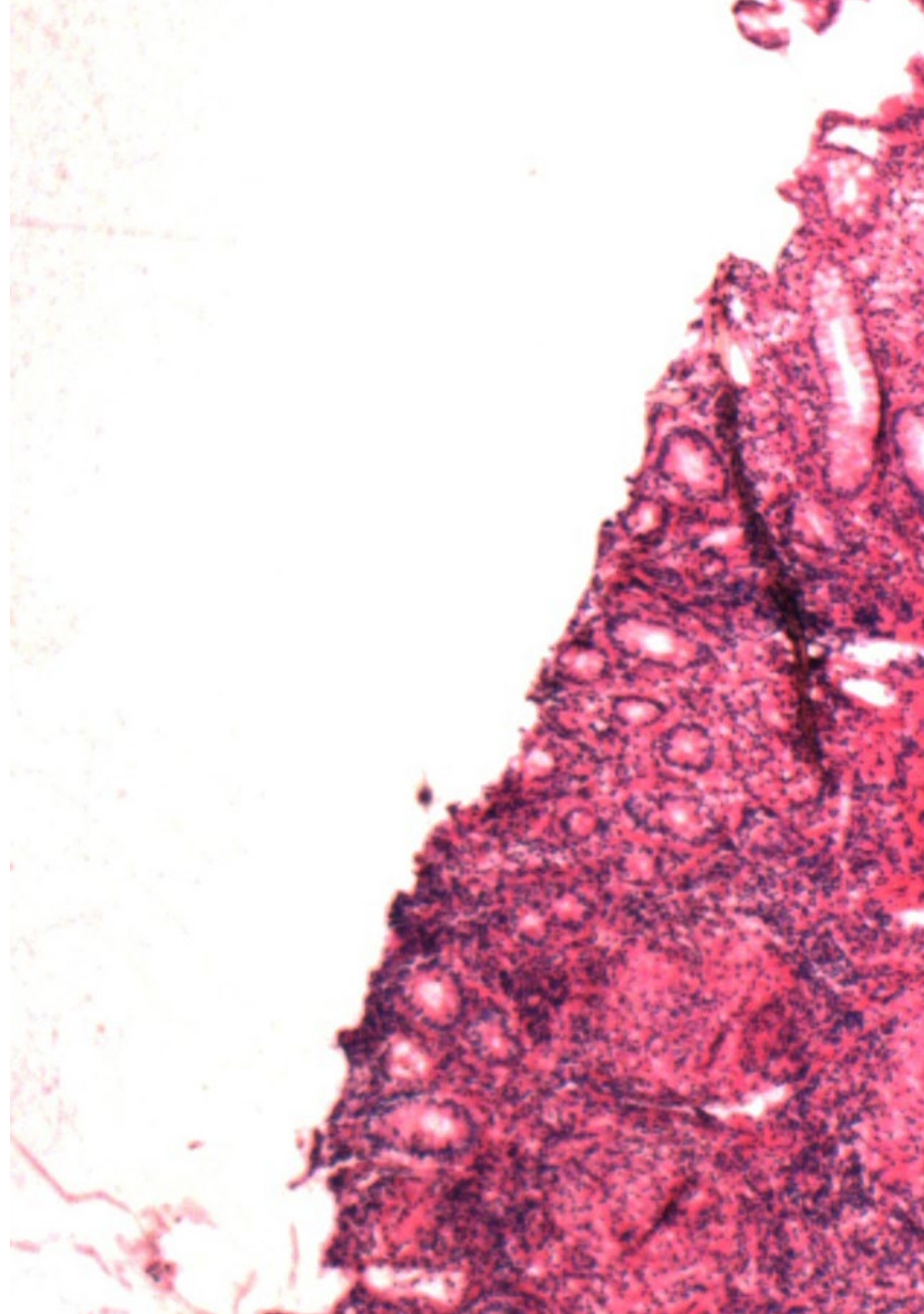
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# 01 Introduction

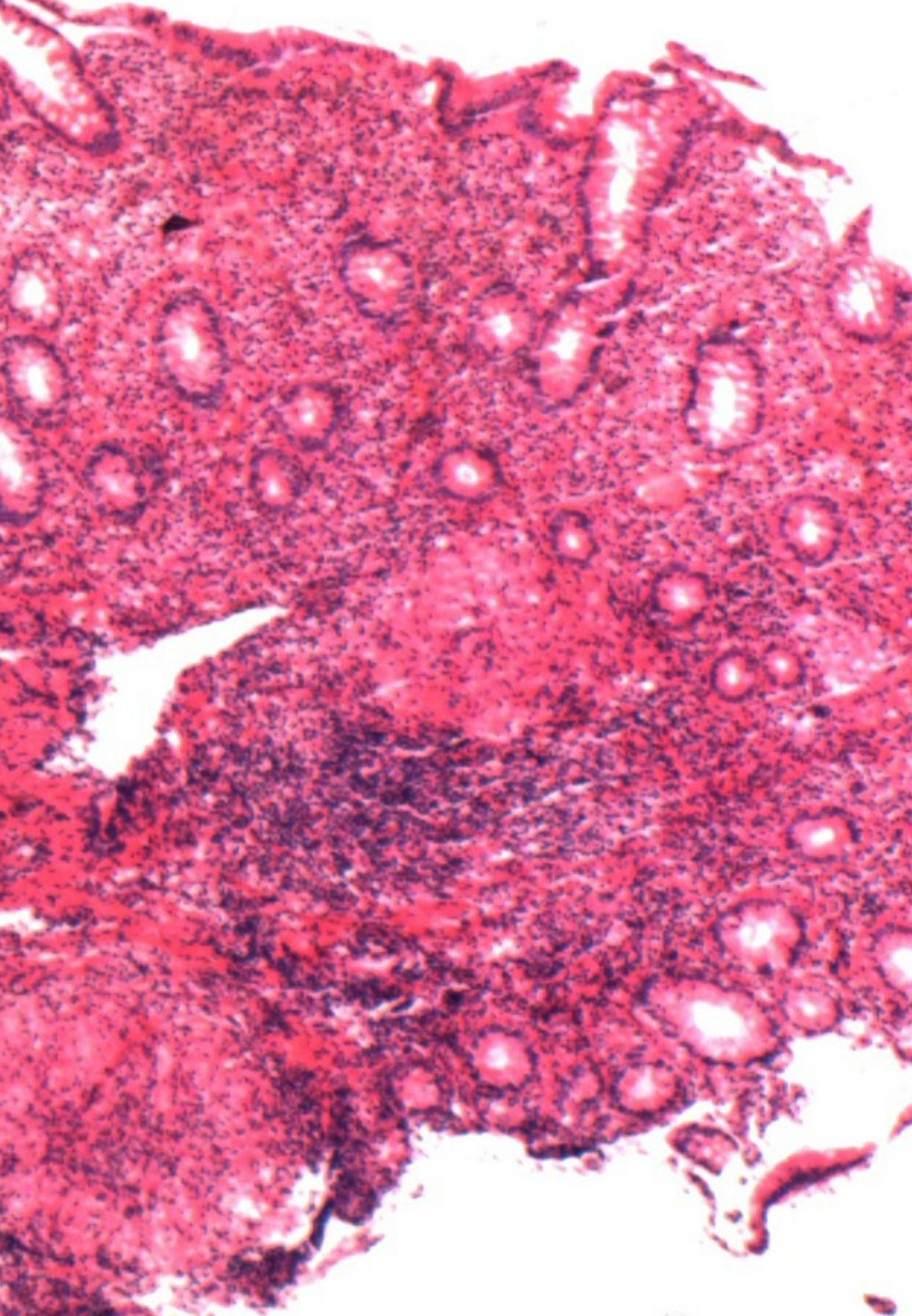
Laparoscopy, laser surgery and electrosurgical treatments are some of the most far-reaching innovations in the field of Proctology today. However, not all specialists in this area are up-to-date on the correct handling of these advanced tools or on how to implement them in their daily practice. For this reason, TECH has created this program, the only one of its kind on the educational market, which offers physicians the opportunity to acquire skills in an on-site and intensive way. Under this premise, the academic internship will allow the proctologist to approach real cases, in a 100% practical and immersive way, in a hospital facility equipped with state-of-the-art technologies and a staff of experts with great mastery of the latest procedures.

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*Update all your knowledge about the surgical and non-invasive approach to rectal pathologies through this very complete Internship Program”*







Proctology, like other medical areas, has achieved a wide updating of its procedures and working tools as a result of scientific and technological innovation. Proof of this are the powerful devices that are currently used to diagnose all kinds of pathologies located in the rectum and anus. Instruments such as the endoanal 3D Ultrasonographic Scanner or dynamic endorectal ultrasound have acquired greater prominence due to their capacity to assess the state of the tissues, the musculature of these cavities, among other aspects. At the same time, instruments have emerged that facilitate the surgical intervention of these conditions, such as Laser Surgery. Paradoxically, specialists are unable to keep up-to-date with the therapeutic potential of this health discipline. This is largely due to a proliferation of programs with a heavy theoretical load in the educational market.

TECH wants to leave aside all these deficiencies with an innovative academic modality. Therefore, its Internship Program in Proctology offers physicians a unique opportunity to learn in a direct, on-site and immersive way the main advances in this specialty. The program will be developed in 3 weeks, in 8-hour consecutive shifts, from Monday to Friday. Throughout this period of time, the healthcare professional will attend a first-class hospital facility and will put into practice the most innovative procedures during the care of real patients. In addition, they will have the opportunity to choose the center that best suits their geographic location and interests.

On the other hand, they will receive the support and advice of a team of experts with extensive experience and mastery of the most significant advances in Proctology. Together with them, they will clarify any doubts that may arise during professional practice and will complete various therapeutic interventions. At the same time, an attending tutor will be in charge of monitoring the physician's pedagogical progress, ensuring their mastery of the most complex work strategies and dynamics.

# 02

## Why Study an Internship Program?

This academic update will provide the physician with a comprehensive management of the latest diagnostic tools and therapeutic procedures in the field of Proctology. Through a completely practical and on-site stay, they will master the most advanced surgical techniques and how to implement them in their daily professional practice. For this purpose, this program will open the doors of a prestigious hospital facility for 3 weeks. In it, they will follow up on real cases and apply state-of-the-art skills and technological resources in patient care and recovery.



*100% practical, on-site and intensive: that's this program in which TECH will give you access to renowned hospitals in the medical field of Proctology"*

### 1. Updating from the latest technology available

Laparoscopic, reconstructive and tumor removal surgeries are part of the daily scenario of Proctology. At the same time, technological tools such as laser or ultrasonic scalpel have emerged in this field, providing new solutions and interventions with higher recovery rates. During this Internship Program, the physician will be able to analyze all of them until mastering them and incorporating them to their daily professional praxis.

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

In this program, TECH wants to ensure that all physicians have first-class skills for the surgical and non-invasive intervention of proctological pathologies. For this reason, all of them will be assigned an attending tutor who will be responsible for coordinating the learning and supervising the academic progress necessary to achieve the didactic objectives of this program.

### 3. Entering First-Class Clinical Environments

TECH maintains close ties with leading healthcare institutions all over the world. Therefore, it has been able to coordinate the development of this Internship Program in centers equipped with the latest medical technology for the approach of anorectal pathologies. In addition, these entities have in their teams the best experts in this healthcare field who will be available to the graduate to resolve any doubts that may arise throughout the daily healthcare dynamics.





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

The academic market does not offer enough pedagogical solutions for those specialists who wish to update their knowledge of Proctology in a practical way. However, most of the programs have an excessive theoretical load. This program is 100% on-site and intensive, lasting 3 weeks, where the physician will acquire new skills in a hospital facility equipped with the best technological and assistance resources.

#### 5. Expanding the Boundaries of Knowledge

With this Internship Program, TECH will expand the limits of the physician's professional development, offering them an on-site internship in a facility of international prestige. This is possible thanks to a wide network of partnerships and collaborations that will shorten the geographical latitudes for the benefit of the academic improvement of any specialist.



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

# 03 Objectives

This Internship Program in Proctology will allow the physician to be up-to-date on the diagnostic and therapeutic procedures of the specialty, in a direct and on-site way. For this purpose, they will have a 3-week internship, designed with clinical and academic rigor, and the advice of recognized experts.



## General Objectives

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- ♦ Delve into the knowledge of Proctology and pelvic floor, with the aim of acquiring the necessary skills of anamnesis, physical examination and interpretation of complementary tests focused on the diagnosis and subsequent successful surgical indication for these pathologies
- ♦ Identify and master the treatments and surgical techniques used for each type of Proctology and pelvic floor pathology
- ♦ Perform a clinical approach to pelvic floor pathology, constipation, and anal incontinence
- ♦ Update knowledge about the diagnosis and treatment of sexually transmitted diseases that can affect the rectal area







## Specific Objectives

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- Review the anatomy and physiology of the anorectal area as applied to clinical practice and problem solving
- Gain in-depth knowledge of diagnostic and management algorithms for the most frequent proctological symptoms, such as proctalgia, rectorrhagia, and pruritus
- Interpret complementary and radiological tests and identify when they are indicated to complete an accurate diagnosis
- Check the etiology, clinical and diagnostic aspects of hemorrhoids from a practical point of view
- Address the non-surgical and surgical management of hemorrhoidal pathology, from classic Hemorrhoidectomy to new techniques Learn about the evidence and results from the current literature
- Gain in-depth knowledge of the best postoperative treatment and special situations such as pregnancy, anticoagulation, and links to other pathologies
- Identify the need for complementary tests prior to anal fissure surgery
- Examine the different current medical treatments and define the failure of a treatment and indicate surgery appropriately
- Reproduce the surgical technique of Sphincterotomy
- Establish the definition and classification of sphincter injuries, as well as to learn the surgical technique of sphincter correction
- Get up-to-date and unify knowledge of perianal abscess drainage and anal fistula management according to location and classification
- Early recognition of signs of perianal abscess complications, specifically Fournier's gangrene
- Manage the role of stem cell therapy in fistulous pathology
- Learn the wide range of manifestations of pediatric anorectal malformations and anorectal diseases and identify their treatment
- Indicate the importance of anal HPV in the incidence of anal intraepithelial neoplasia and anal squamous cell carcinoma
- Master the diagnosis and treatment of sexually transmitted diseases, as well as to identify their differential diagnosis
- Refresh your knowledge of anorectal inflammatory bowel disease and to understand its medical and surgical treatment
- Understand the definitions of anal aesthetics and *anal bleaching*
- Perform a clinical diagnostic approach to pelvic floor pathology, constipation, and anal incontinence
- Identify the necessary treatment to be applied in each patient or clinical case
- Define the most frequent pelvic pains with their diagnosis and therapeutic algorithm
- Acquire in-depth knowledge of the different surgical reparative techniques of the pelvic floor and their functional and organic results
- Develop an up-to-date outline of the diagnosis and treatment of rectal prolapse, rectocele, and enterocele
- Address the management and diagnosis of retrorectal tumors and the use of 3D technology in their assessment
- Determine surgical approaches to the management of recurrent epidermoid anal cancer
- Recognize other types of malignant anal tumors and know how they are treated

# 04 Educational Plan

TECH's Internship Program in Proctology consists of a 3-week stay in a prestigious hospital center. In order to complete it, the physician will dedicate 8-hour consecutive shifts, from Monday to Friday. During this period of time, they will receive personalized guidance from an attending tutor who will gradually assign them tasks of varying complexity. At the same time, they will have at their side the best experts in the sector, therefore guaranteeing the mastery of the most advanced diagnostic and therapeutic procedures in a direct way.

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.

Through this unique learning modality, the proctologist will delve into the latest techniques for the surgical removal of tumors in the rectum or anus. At the same time, they will examine non-invasive trends in the treatment of other pathologies such as fecal incontinence, chronic constipation and chronic pelvic pain. All of these procedures will be performed on real patients who require the highest level of care.

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 the practice of Medicine (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>New Technologies and Diagnostic Procedures in Proctology</b>	Measure the function of the final part of the intestine (rectum and anus) through anal manometry
	Assess in 360 degrees the characteristics of the anus, its musculature, abscesses, fistulous tracts and possible tumors through 3D Ultrasonographic Scanner endoanal and endorectal
	Detect the presence of polyps, tumors, hemorrhoids or other rectal problems through Rectoscopy
	Examine by means of a dynamic endorectal ultrasound probe the tissues of the endorectal cavity, as well as organs located in front of the rectum, such as the prostate
	Perform colonic transit studies with radiopaque markers
	Apply Electromyography and nerve conduction studies to assess the peripheral nerves that innervate the anorectum
<b>Non-surgical Trends in Proctology</b>	Promote healing and help relax the anal sphincter in patients with anal fissures through external application of Nitroglycerin
	Counteract rectal prolapse through biofeedback physical therapy for pelvic floor dysfunction
	Indicate the vaginal pessary is a silicone device that is inserted into the vagina and helps support the bulging tissues in patients with Rectocele
	Treat with pharmacological therapies for fecal incontinence
	Use sacral root neurostimulation in the treatment of fecal incontinence, chronic constipation and chronic pelvic pain
<b>Latest Surgical Treatments in Proctology</b>	Use surgical laser for the treatment of hemorrhoidal disease, anal fissure and anal fistulas
	Develop pre-operative Doppler-guided anal scans
	Implement laparoscopy and other minimally invasive techniques to treat rectal prolapse and rectocele by abdominal, transperineal and transanal routes
	Apply the ultrasonic scalpel in the surgical treatment of fecal incontinence
	Enable multiple electro-surgical treatments through THD ProctoStation technology
<b>Advanced Approach to Colon Cancer</b>	Remove tumor polyps during Colonoscopy
	Remove a small amount of the inner lining of the colon by Endoscopic Mucosal Resection
	Take samples of the lymph nodes in the area where the tumor is located through Laparoscopy
	Create, through surgery, a pathway to remove waste from the body and reconnect the healthy parts of the colon or rectum
	Indicate the use of pharmacologic therapies such as Immunotherapy and other care strategies such as Chemotherapy and Radiotherapy



05

# Where Can I Do the Internship Program?

With the goal of guaranteeing its graduates the most up-to-date mastery of Proctology, TECH has designed a clinical internship of excellence. Therefore, it has created an academic program, unique in its kind, which is based on a 3-week on-site internship in a prestigious hospital center. From there, the specialist will be able to expand their knowledge in a direct way, in close contact with great experts and managing the latest technology for this field of health sciences.

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*Incorporate into your professional practice all the advances in Proctology that TECH has gathered in this intensive and on-site program of 120 teaching hours”*





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



Medicine.

### Hospital HM Modelo

Country	City
Spain	La Coruña

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

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

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine.

### Hospital 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 specialized centers distributed throughout Spain.

**Related internship programs:**

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Medicine.

### Hospital HM Regla

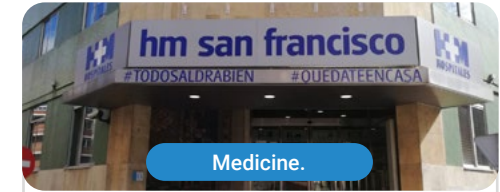
Country	City
Spain	León

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	City
Spain	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.

### Hospital HM Nou Delfos

Country	City
Spain	Barcelona

Address: Avinguda de Vallcarca, 151, 08023 Barcelona

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

**Related internship programs:**

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Medicine.

### Hospital HM Madrid

Country	City
Spain	Madrid

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

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

**Related internship programs:**

- Palliative Care
- Anaesthesiology and Resuscitation



Medicine.

### Hospital HM 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 Torrelodones

Country	City
Spain	Madrid

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

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

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine.

### Hospital HM Sanchinarro

Country	City
Spain	Madrid

Address: Calle de Oña, 10, 28050, Madrid

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

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine.

### Hospital HM Nuevo Belén

Country	City
Spain	Madrid

Address: Calle José Silva, 7, 28043, Madrid

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

**Related internship programs:**

- General and Digestive System Surgery
- Clinical Nutrition in Medicine



Medicine.

### Hospital HM Puerta del Sur

Country	City
Spain	Madrid

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

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

**Related internship programs:**

- Palliative Care
- Clinical Ophthalmology



Medicine.

### 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.

### Policlínico HM Arapiles

Country	City
Spain	Madrid

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

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

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Pediatric Dentistry



Medicine.

### Policlínico HM Cruz Verde

Country	City
Spain	Madrid

Address: Plaza de la Cruz Verde, 1-3, 28807, Alcalá de Henares, Madrid

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

**Related internship programs:**

- Advanced Clinical Podiatry
- Optical Technologies and Clinical Optometry



Medicine.

### 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



Medicine.

### Policlínico HM Gabinete Velázquez

Country	City
Spain	Madrid


Address: C. de Jorge Juan, 19, 1º 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 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.

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**Related internship programs:**

- Advanced Operating Room Nursing
- Orthodontics and Dentofacial Orthopedics



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.

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**Related internship programs:**

- Rehabilitation Medicine in Acquired Brain Injury Management



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 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.

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**Related internship programs:**

- Advances in Hematology and Hemotherapy
- Neurological Physiotherapy



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

# 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 program agreement shall be 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 Proctology** 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.

Program: **Internship Program in Proctology**

Duration: **3 weeks**

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

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



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Internship Program  
Proctology

# Internship Program

## Proctology

