

# Internship Program Advances in Pediatric Gastroenterology and Hepatology





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university

Internship Program  
Advances in Pediatric  
Gastroenterology and Hepatology

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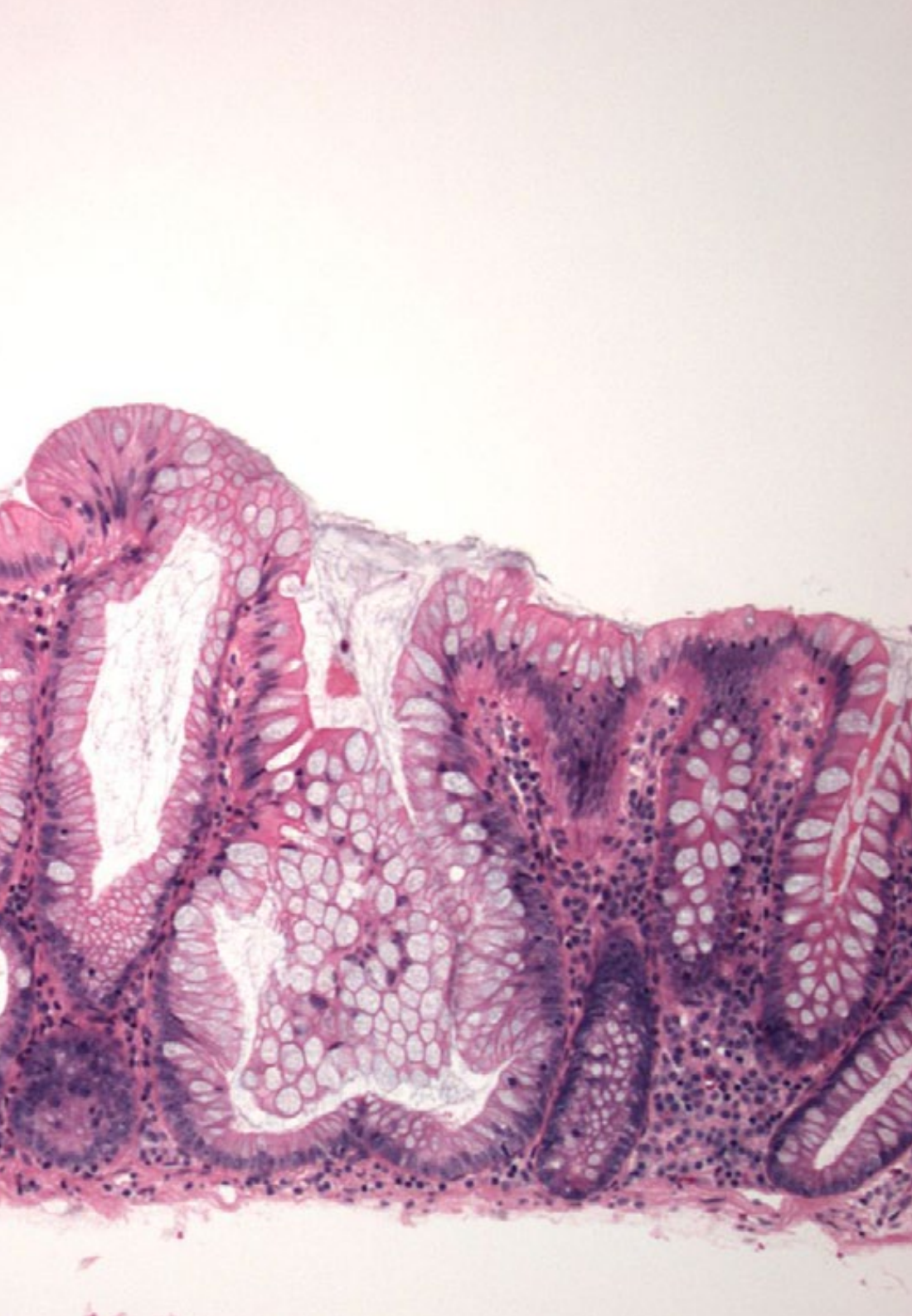
# 01 Introduction

The medical area of Pediatric Gastroenterology and Hepatology implies, for the professional, the mastery of a wide body of knowledge. This is largely due to the fact that this healthcare field has evolved considerably in recent years and requires complex and constant updating. To get up to date on these innovations in diagnosis and treatment, the physician will be able to access this TECH program where direct experience in a first level hospital center is offered. Thus, during a 3-week intensive on-site stay, the specialist will expand his or her qualifications in the handling of the most complex tools and techniques available and will apply them on real patients under the supervision of the best experts in the field.



*Thanks to this program of studies, you will incorporate into your practical activity the latest developments to identify and treat food allergies in children and adolescents"*





The Internship Program in Advances in Pediatric Gastroenterology and Hepatology offers an advanced update on the usual clinical activity in this area where, in recent years, there have been numerous discoveries related to children's digestive diseases. At the same time, the program aims to encourage the application of the medical and technological innovations experienced in this sector in healthcare contexts of varying complexity. To ensure that professionals in this field of medicine are up to date, TECH has designed a 100% practical program where the specialist will develop new skills from day one.

This intensive classroom-based academic program includes a 3-week stay in a prestigious hospital. This facility will allow the student to interact directly with real cases and actively participate in their diagnosis and recovery process. In particular, during this Internship Program, the gastroenterologist will improve his or her skills in the management of liver disorders, food allergies and other digestive system disorders that usually appear during childhood.

In order to achieve a fast and flexible update of all these practical contents, the physician will be hosted in a prestigious health institution. In that place, they will have to complete 8 hours of continuous work, from Monday to Friday, until completing the entire educational process. During this time, you will be able to exchange experiences directly with the best experts in this field of medicine. They may also rely on the didactic assistance of an assistant tutor. This academic figure will be in charge of supervising their progress and integrating them in an exceptional way into the dynamics of this hospital activity. From this Internship Program, the specialist will experience a considerable evolution of his skills for the management of infantile cases with digestive difficulties and the adequate application of modern procedures for their care.

# 02

## Why Study an Internship Program?

Pediatric Gastroenterology and Hepatology are distinguished in the healthcare field by their complexity and constant growth. In recent years, there have been numerous scientific and technological advances that oblige the professional in this sector to keep constantly updated. For this reason, TECH has developed this 100% practical educational product to bring specialists up to date on all these aspects. This academic process will be carried out by means of a 3-week intensive stay in prestige hospitals and together with distinguished experts in this medical area.



*With TECH, you will broaden your competencies for the implementation of diagnostic and therapeutic procedures in the area of Pediatric Gastroenterology and Hepatology”*

### 1. Updating from the latest technology available

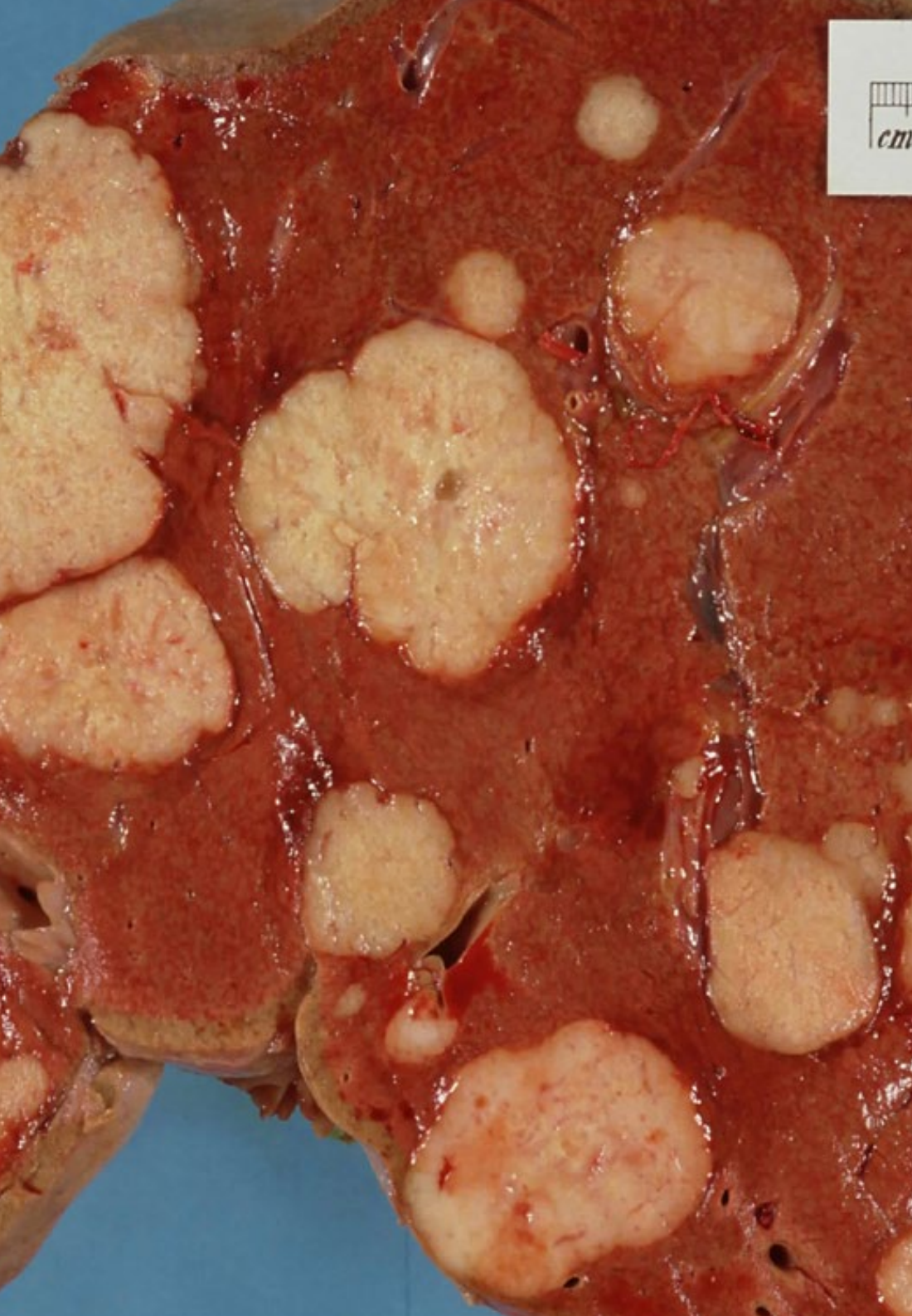
In recent years, the evolution of techniques, technologies and protocols to intervene and manage gastric and hepatic pathologies in children is latent. However, with this program, the physician will be able to update his or her competencies for the management and implementation of all of them in a holistic way.

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

During this program, the physician will have direct access to professionals with prestigious experience. Together with them, you will work to diagnose real cases of varying complexity. You will also be guided at all times by a designated tutor who will rigorously monitor your academic progress.

### 3. Entering First-Class Clinical Environments

TECH has made a careful selection of all the centers that are now available for professionals to complete this Internship Program. These healthcare facilities were chosen for their performance and international prestige, which, in turn, were achieved through an excellent staff of experts. They also stand out for the use of high-end diagnostic and treatment equipment for this specialty.



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

Aunque el entorno pedagógico dispone programas relacionados con la Gastroenterología y Hepatología Pediátrica, ninguno de ellos hace hincapié en la actualización del médico de un modo 100% práctico. Thus, TECH sets itself apart from its competitors by providing a unique educational program of its kind, which will allow the professional to deal directly with real patients from the first hour of this on-site stay.

#### 5. Expanding the Boundaries of Knowledge

TECH's educational programs aim for its graduates to achieve international prestige by completing this Internship Program. To this end, it has devised an intensive educational model that will facilitate the professional's stay in cutting-edge medical institutions, located in different geographical latitudes.



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

# 03 Objectives

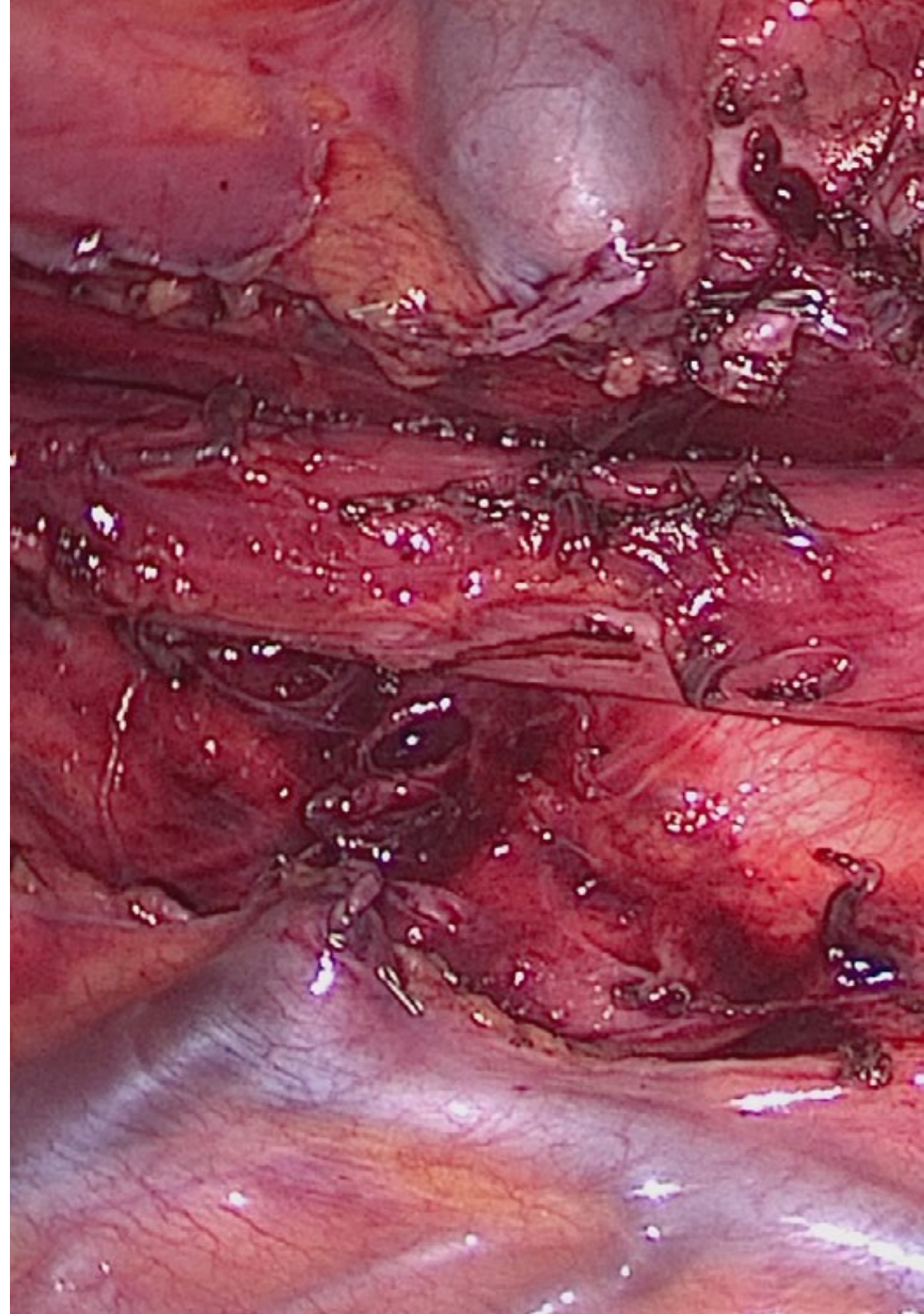
The general objective of this Internship Program in Advances in Pediatric Gastroenterology and Hepatology is to ensure that the professional updates the diagnostic and therapeutic procedures of the specialty in an exclusively practical way, through a hospital stay designed with clinical and academic rigor, under the guidance of renowned professionals in a hospital center of the highest scientific quality and technological innovation.



## General Objectives

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- To update the pediatrician's knowledge with special emphasis on promoting work strategies based on the integral approach to the patient as a reference model in the achievement of excellence in health care
- Expand technical skills and abilities through a practical training system by attending real patients in medical service scenarios
- To master recent findings on functional digestive disorders in the neonatal, infant, school-age and adolescent digestive disorders in the neonatal stage, in infants, school children and adolescents







## Specific Objectives

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- ♦ Update the physician's knowledge of functional digestive disorders and the corpus of neurogastroenterology
- ♦ Analyze in depth the current knowledge regarding non-celiac gluten hypersensitivity
- ♦ Apply the current diagnostic possibilities and algorithms for celiac disease, as well as future avenues of work
- ♦ To learn about the new laboratory tests available for the diagnosis and follow-up of celiac disease, as well as its treatment and prevention
- ♦ To analyze the current avenues of research into future therapeutic strategies in the field of celiac disease
- ♦ Refining the nutritional management of inflammatory bowel disease
- ♦ Expand knowledge about congenital esophago-gastric anomalies
- ♦ Define the current protocols for gastroesophageal reflux and esophagitis in pediatric patients
- ♦ Describe the guidelines for action in case of trauma, infections and esophagitis due to chemicals
- ♦ Update knowledge about peptic ulcer disease and gastritis
- ♦ Describe the management of esophago-gastric pathology in pediatric emergencies
- ♦ Explain Hirschsprung's disease and intestinal dysplasias
- ♦ Up-to-date management of different viral and bacterial intestinal infections
- ♦ Recognize gastrointestinal manifestations of systemic diseases and other extradigestive entities
- ♦ Describe intestinal transplantation, the current situation and avenues for future development

# 04

## Educational Plan

This Internship Program includes a face-to-face and intensive stay in a prestigious health center. This educational process will be made up of 8 consecutive 8-hour days, Monday through Friday, for a total of 3 weeks. During this period, pediatricians will update their skills in the management of infant patients with severe feeding disorders such as allergies and intestinal obstructions.

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.

For this update on the latest Advances in Pediatric Gastroenterology and Hepatology, the professional will have at his disposal a team of experts with extensive experience. They will share with students the most complex developments in the sector, allowing them to acquire the essential skills for the management of clinical intervention protocols and technologies. They will also have an tutor who will directly and personally supervise their progress in this training.

The practical teaching will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of the professors and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for Doctor (learning to be and learning to relate).



*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"*

The procedures described below will form the basis of the practical part of the training, and their completion 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:

Module	Practical Activity
<b>Advances in food allergy and eosinophilic disorders</b>	Indicate gastrointestinal endoscopy to identify primary eosinophilic disorders
	Apply absolute eosinophil counts to patients with signs of an allergic reaction to food
	Perform oral tolerance test to child patients with suspected food allergy
	Subjecting the child patient under analysis to an elimination diet
	Use skin allergy testing in pediatric patients with mild signs of food intolerance
	Diagnose eosinophilic disorders and derived allergies from IgE blood tests IgE blood tests
<b>Latest trends in inflammatory bowel disease</b>	Define IBD from flexible colonoscopies and sigmoidoscopies
	Use biological markers of activity and prognosis to determine the presence of IBD
	Indicate biologic therapy and biosimilars against IBD
	Manage treatment algorithms in ulcerative colitis and Crohn's disease
	Apply gastrointestinal tract analysis by X-ray and barium scans
	Perform surgical procedures such as colostomy, total proctocolectomy (with and without ileoanal pouch) and large bowel resection

Module	Practical Activity
<b>Challenges in esophageal and gastric pathology</b>	Apply abdominal radiology to determine duodenal atresia in newborns and other esophageal and gastric congenital anomalies
	Diagnose Hirschsprung's disease by barium enema tests and biopsies of the rectum
	Determine the presence of colorectal polyps by stool examination for fecal occult blood
	Treat trauma, infections and esophagitis due to chemicals in children with different procedures, including surgical ones
<b>Advances in hepatobiliopancreatic pathology and other gastrohepatic disorders</b>	Diagnosis of cystic fibrosis through fecal elastase
	Perform analytical tests for advanced autoimmune liver disease
	Use of probiotic therapy techniques in pediatrics
<b>Latest techniques in pediatric gastroenterology</b>	Implement narrow band, fluorescence and confocal endoscopies to diagnose different gastrohepatological disorders
	Apply asendoscopy in children
	Indicate and interpret radioisotope studies for different pediatric intestinal disorders
	Implement and interpret pH-metry and esophageal impedancemetry in children and adolescents and adolescents
	Perform gastrointestinal and hepatobiliary ultrasound to study malabsorption and pancreatic insufficiency

# 05

## Where Can I Do the Internship Program?

The intensive and face-to-face stay of this Internship Program may be carried out in state-of-the-art medical institutions, chosen by TECH based on their results in the area of Pediatric Gastroenterology and Hepatology. The selected facilities, in addition to having international prestige, have the most up-to-date technology. Likewise, all of its healthcare personnel are trained in the application of innovative techniques and tools within this area of medicine.




*Enroll in this program and you will immediately get to handle the most advanced procedures and protocols to treat complex diseases such as Crohn's disease"*





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

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**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital Maternidad HM Belén

Country	City
Spain	La Coruña


Address: R. Filantropía, 3, 15011, A Coruña

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

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**Related internship programs:**

- Update in Assisted Reproduction
- Hospitals and Health Services Management



Medicine

### Hospital HM Montepríncipe

Country	City
Spain	Madrid


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

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

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**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

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**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



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

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**Related internship programs:**

- Palliative Care
- Clinical Ophthalmology



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

# 06

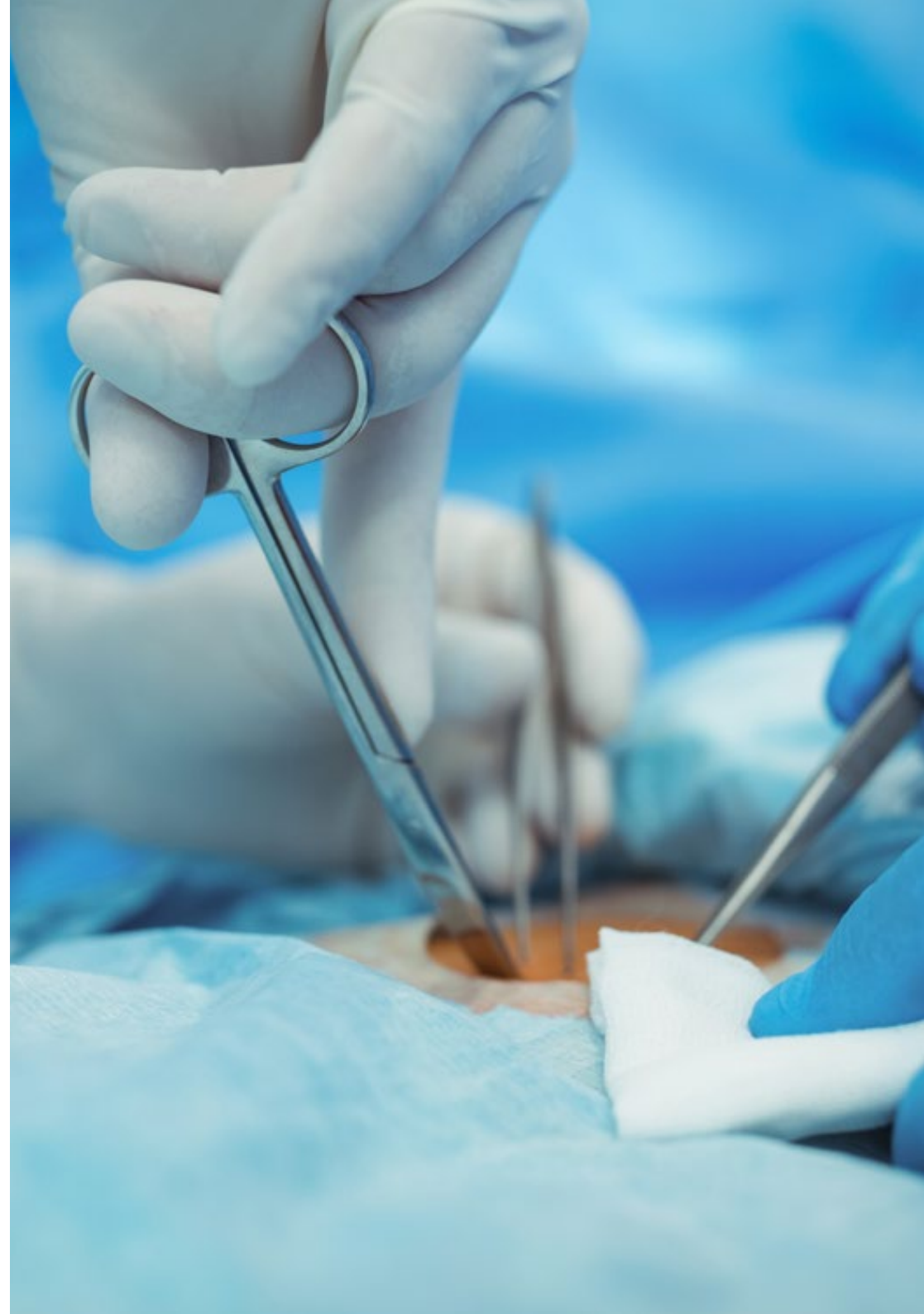
## General Conditions

### 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 educational entity undertakes to take out civil liability insurance to cover any eventuality that may arise during the stay at the internship center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.



## General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

**1. TUTOR:** During the Internship Program, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor, whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

**2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

**3. ABSENCE:** If the students does not show up on the start date of the Internship Program, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

**4. CERTIFICATION:** Professionals who pass the Internship Program will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** The Internship Program shall not constitute an employment relationship of any kind.

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Internship Program. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

**7. DOES NOT INCLUDE:** The Internship Program will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed.

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

# 07 Certificate

This program will allow you to obtain your **Internship Program diploma in Advances in Pediatric Gastroenterology and Hepatology** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Internship Program in Advances in Pediatric Gastroenterology and Hepatology**

Duration: **3 weeks**

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

Accreditation: **5 ECTS**







**Internship Program**  
Advances in Pediatric  
Gastroenterology and Hepatology

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