

# Internship Program

## Pediatric Hematology Nursing



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Internship Program  
Pediatric Hematology Nursing

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# 01 Introduction

The evolution of healthcare procedures and advances in healthcare technology are major challenges for nursing professionals, especially those dedicated to the field of pediatric hematology. Keeping up to date on the protocols of action in the case of pediatric patients with hematopoietic cell transplants, anemias and other blood pathologies is not easy in a context that places greater emphasis on theoretical programs. TECH overcomes these limitations with this program. Its academic design makes possible the approach to real cases, in a hospital facility throughout 3 weeks of rigorous classroom and practical stay.

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*TECH's Internship Program will bring you up to speed on the main devices for monitoring bleeding and other hematological conditions in children and adolescents"*







Over the last few years, advances in pediatric hematology have multiplied. These innovations have been followed by much more complex assistance procedures. In turn, the nursing staff must be up to date on all these innovations in order to assist the physician in interventions such as hematopoietic cell transplantation, hospital and remote monitoring of hemorrhagic symptoms, among other functions. However, the solidity of this discipline is faltering in an academic context that does not offer professionals sufficient options to develop skills that must be applied in the daily healthcare setting. Most of the programs that reflect the latest trends in this area of health care only emphasize theoretical considerations.

TECH, in its eagerness to offer the most suitable training to each student, has designed a pioneering educational modality in its type. The program devotes 3 weeks to face-to-face, intensive and immersive learning of the latest strategies in Pediatric Hematology Service Nursing. Over the course of 3 weeks, the graduate will move to a prestigious medical facility where they will implement state-of-the-art procedures, dedicated to favoring early diagnosis of patients, ensuring the most appropriate treatment and monitoring health variables, according to the criteria of the best physicians.

All these skills will be developed from the approach to real patients from the first day of academic preparation. This linkage will be supervised by an assistant tutor of high prestige, who will also be in charge of inserting tasks of greater complexity throughout the learning process. Likewise, the nurse will be able to discuss procedures and techniques with colleagues of greater prestige and knowledge. After completing the 120 hours of this Internship Program, the student will be ready to implement a high quality and rigorous healthcare practice.

# 02

## Why Study an Internship Program?

The current evolution of technologies and work techniques in the health sector, and in particular within the Pediatric Hematology Services, constitute a challenge for the nursing staff. Achieving such assistive care in an optimal manner depends on a wide range of practical skills. For this reason, TECH offers a practical program of excellence, including an on-site stay in a prestigious hospital facility and extensive results in the discipline in question. Thus, the graduate will receive a demanding and exhaustive update, supervised by the best experts.



*Thanks to this program, the doors of international reference hospitals will be opened to you for the development of your clinical internship"*

### 1. Updating from the latest technology available

Pediatric Hematology is increasingly committed to medical technologies that facilitate the comprehensive care of its patients. The handling and mastery of these implements by nursing professionals increases their usefulness as they enhance the proper assistance to the physicians. Therefore, TECH will explore in a face-to-face and immersive way the latest devices and techniques through this 3-week Internship Program.

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

Through this in-person program, nursing personnel will acquire practical skills alongside leading experts. They will share their experiences, discuss cases and procedures with the professional. All this, based on the management of real pediatric patients with various hematopathologies. In addition, this modality of studies designates an assistant tutor who will accompany the entire educational process.

### 3. Entering First-Class Clinical Environments

The centers chosen for this Internship Program are highly recognized in the field of Nursing. TECH has selected these hospital institutions for their multiple results in terms of assistance and application of new technologies. From them, the professional will be able to see the competitiveness and completeness of the labor sector in only 3 weeks.



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

This program has been devised, first of all, so that nurses do not have to worry about assimilating large amounts of theoretical content. On the contrary, its mission is that each graduate can access a 100% practical learning model, compatible with the development of his or her interests and updating needs.

#### **5. Expanding the Boundaries of Knowledge**

TECH has a broad portfolio of agreements and collaborators. Through them, it will provide its students with access to hospitals of international relevance and enable their dialogue with the best professionals. This is a unique learning opportunity, only available at the world's largest digital university.



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



# 03 Objectives

This TECH Internship Program aims to provide the nursing professional with the most effective and updated knowledge for the dynamic exercise of his/her competencies in Pediatric Hematology Services. All this, through a practical stay designed with the highest clinical and scientific rigor and using a first class hospital center as the venue.



## General Objectives

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- ♦ Optimize the quality and care of pediatric patients with hematologic disorders, providing greater qualification to healthcare professionals
- ♦ Acquire the essential skills to comprehensively care for children and adolescents with hematologic disorders and their families
- ♦ Recognize and assess the physical, psychological, social and spiritual needs of children and adolescents with hematologic disorder and their families
- ♦ Achieve sufficient knowledge and skills to be able to develop the personal and professional attitudes required to treat children and adolescents with hematologic disorder
- ♦ To develop a comprehensive vision of care for children and adolescents with hematological pathologies and their families, in order to promote their well-being, autonomy and dignity at all times
- ♦ To develop problem solving and evidence generation capabilities in the field of Pediatric Hematology to correct knowledge deficiencies and establish standards of excellence in practice







## Specific Objectives

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- Review in detail the composition of the blood, both the formed elements and the blood plasma
- Identify the characteristics of the different blood groups
- Introduce the different hematologic diseases in the newborn, child and adolescent
- Acquire knowledge on fundamental aspects of etiopathogenesis, diagnosis, treatment and complications of non-physiological neonatal jaundice and hemolytic disease of the newborn
- Conduct a presentation of the pathophysiological basis, types and risk factors and etiology of neonatal shock
- Develop the most important aspects for the application of the NIDCAP Model
- Update knowledge that allows the student to distinguish the different types of vascular accesses in the newborn and get to know the management and care of each one of them
- Differentiate the different types of coagulation and hemostasis disorders in pediatrics, as well as their etiology, clinic and treatment
- Explain Fanconi's Anemia in detail, differentiate it from the syndrome and study its characteristics, diagnosis, treatment and prognosis
- Review the factors that predispose to infections in children with hematologic disorders, how to prevent them and detail the most frequent ones
- Situate epidemiologically the incidence and survival of hematologic cancer in childhood and adolescence
- Describe the morphology, translocations, characteristic coagulopathy, treatment and controls of acute promyelocytic leukemia (APL) in pediatrics
- Analyze the different specific treatment modalities to treat hematological pathologies in childhood and adolescence
- To acquire the knowledge and skills necessary to develop the personal and professional attitudes required to care for children and adolescents with hematological pathologies
- Establish the importance of comprehensive and continuous assessment of the needs of the child and family and identify the most frequent nursing diagnoses in the course of the disease
- Explain the importance of nutrition and skin care during the treatment of pediatric patients with oncohematological disease
- Detail and justify the importance of humanizing PICUs to promote the well-being, autonomy and dignity of children, adolescents and families at all times
- Identify pediatric patients with hematologic disorders who are candidates for allogeneic hematopoietic stem cell transplantation (allo-HSCT)
- Increase knowledge of the psychological care needs of children and adolescents undergoing allo-HSCT and their families
- Conceptualize pediatric palliative care
- Examine the ethical issues applicable to child health and their use in making difficult decisions in palliative care situations
- Develop within nursing professionals the set of knowledge and skills for the comprehensive approach and management of children and adolescents with severe hematologic disorder and their families

# 04

## Educational Plan

This program consists of a practical stay in a prestigious center, lasting 3 weeks, from Monday to Friday with 8 consecutive hours of work. During this period of time, the physician will have the personalized guidance of an assistant tutor. Thus, the healthcare professional will have the best experts in the sector on their side and will acquire dynamic knowledge of the most recent competencies in Pediatric Hematology Service Nursing.

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.

The practical education 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 training partners that facilitate teamwork and multidisciplinary integration as transversal competencies for the practice of the Nursing (learning to be and learning to relate).

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>New nursing trends in the development of coagulation and diagnostic tests in pediatric hematology</b>	Collect blood and other tissue samples as needed, following safety protocols and ensuring proper identification
	Transport samples to clinical laboratories and ensure that they arrive in a suitable condition for analysis
	Develop a record of coagulation tests and test results and follow up with the physician
	Provide information to the pediatric patient and family about coagulation tests and their importance in the diagnosis of hematologic diseases
<b>Nursing action protocols in pediatric hematopoietic cell transplantation</b>	Educate the pediatric patient about the transplantation process and prepare them for the transplant
	Administer medications necessary to prevent complications and maintain the health of the pediatric patient
	Identify and treat infections that may occur during the transplantation process
	Teach the pediatric patient and family how to manage the disease and prevent complications
<b>Latest nursing strategies for the therapeutic approach to hematologic diseases in pediatrics</b>	Maintain a record of symptoms and changes in the pediatric patient's condition and inform the physician if needed
	Work in collaboration with physicians, therapists and other healthcare professionals to provide comprehensive care for patients with hematologic diseases
	Participate in clinical trials and other research to advance knowledge of hematological diseases and improve treatment
<b>Nursing procedures for the main bleeding disorders in pediatrics</b>	Assist in patient assessment and identification of bleeding disorders
	Apply measures to stop bleeding and prevent complications
	Follow up and monitor the patient's evolution after treatment



# 05 Where Can I Do the Internship Program?

TECH works tirelessly to broaden the academic horizons of each of the professionals in its charge. For this reason, this Internship Program is given in hospital centers located in different geographical latitudes. Also, these entities will have the best technology and a team of highly prestigious experts on staff. In short, this is a unique opportunity that allows nursing professionals to develop the best competencies and take them to their daily practice after 3 weeks.



*Apply in your daily practice the most important advances in Nursing in the Pediatric Hematology Service, based on the latest scientific evidence, and that TECH will be able to offer you from the best hospitals"*







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



Nursing

### Hospital HM Montepíncipe

Country: Spain      City: 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



Nursing

### HM CIOCC - Centro Integral Oncológico Clara Campal

Country: Spain      City: Madrid

Address: Calle de Oña, 10, 28050, Madrid

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

- Related internship programs:**
- Gynecologic Oncology
  - Clinical Ophthalmology



Nursing

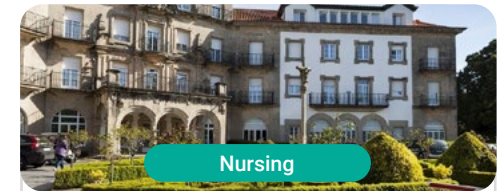
### HM CIOCC Barcelona

Country: Spain      City: Barcelona

Address: Avenida de Vallcarca, 151, 08023, Barcelona

Network of private clinics, hospitals and specialized centers distributed Spanish democracy

- Related internship programs:**
- Advances in Hematology and Hemotherapy
  - Oncology Nursing



Nursing

### HM CIOCC Galicia

Country: Spain      City: La Coruña

Address: Avenida das Burgas, 2, 15705, Santiago de Compostela

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

- Related internship programs:**
- Gynecologic Oncology
  - Clinical Ophthalmology

# 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. In this way, the professional will not have to worry in case they have to face an unexpected situation and will be covered until the end of the practical 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 Pediatric Hematology 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 diploma issued by TECH will reflect the grade obtained in the test.

Title: **Internship Program in Pediatric Hematology Nursing**

Duration: **3 weeks**

Attendance: **Monday to Friday, shifts of 8 consecutive hours**

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





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