

# Internship Program Update in Neurology





**tech** global  
university

Internship Program  
Update in Neurology

# Index

01

Introduction

---

*p. 4*

02

Why Study an  
Internship Program?

---

*p. 6*

03

Objectives

---

*p. 8*

04

Educational Plan

---

*p. 10*

05

Where Can I Do the  
Internship Program?

---

*p. 12*

06

General Conditions

---

*p. 16*

07

Certificate

---

*p. 18*

# 01 Introduction

The introduction of new and sophisticated technologies applied to the field of Neurology boosts and facilitates the development of research, providing a flow of updates of great interest. The specialty, due to its high complexity, benefits directly from the knowledge and access to complementary diagnostic and interventional means, Functional Neuroimaging, Pathological Anatomy among others, and from the possibility of interrelation with consultations of other specialties. This is the scenario that is developed in this Internship Program and which will provide the student with a broad and direct learning of the highest quality. In this program you will be able to acquire, in an efficient way, the state-of-the-art knowledge of this specialty working hand in hand with great experts in the field. A high-level training that will place you at the forefront of medical excellence.



*This Internship Program has been designed to immerse the professional in the most current treatment of neurological diseases, together with a team of specialists and through a high value multidisciplinary intervention. Neurological diseases, together with a team of specialists and through a high-value multidisciplinary intervention"*





Medical professionals need access to the most updated knowledge in order to perform safely and efficiently in their area of work. However, achieving this may be incompatible with your current personal and work schedule. For this reason TECH, aware of the great importance of continuous learning, has designed this 100% practical program where the specialist will be able to share a state-of-the-art equipped clinical scenario and share functions with a multidisciplinary team.

Neurological diseases are the second leading cause of death worldwide, hence in recent years even reporting an increase of 34% since 1990. Among the conditions with the highest incidence are meningitis, encephalitis, traumatic brain injury, Parkinson's disease, Alzheimer's disease and migraine, the last two leading the list.

According to predictions, the demographic behavior of the population will be correlated with the prevalence of increasingly severe and disabling conditions. Therefore, the relevance of having more specialists in the field of neurological pathologies, not only in therapeutic methods, but fundamentally to know the most effective preventive and diagnostic methods for these conditions.

Faced with this scenario, TECH has developed this Internship Program that will allow to approach the patient in a hospital setting with state-of-the-art resources, under the guidance of an assigned tutor and following a series of activities typical of this medical specialty. You will explore different perspectives of a problem and propose advanced solutions together with the multidisciplinary team that you will integrate, in an intensive stay for 3 weeks in the clinical center of your choice, among those available for the execution of this program.

# 02

## Why Study an Internship Program?

Continuous medical updating is an essential support in the efficient performance of today's specialist, especially at a time when a recent pandemic has changed many paradigms. The use of technological resources is key to this, and TECH, as an avant-garde institution, keeps innovating in education and this program is an example of this. Upon enrollment, the professional will have at his disposal a 100% practical Neurology Updating program to be developed in a national and international reference hospital center. You will become part of a team made up of experts in the techniques and methods used to treat patients with neurological pathologies. All this in 3 weeks of intensive work and with an innovative methodology to get up to date in an area of current demand.



*With this program you will delve into the diagnostic methodology: clinical localization and explorations in research for the Neurology Update"*

### 1. Updating from the latest technology available

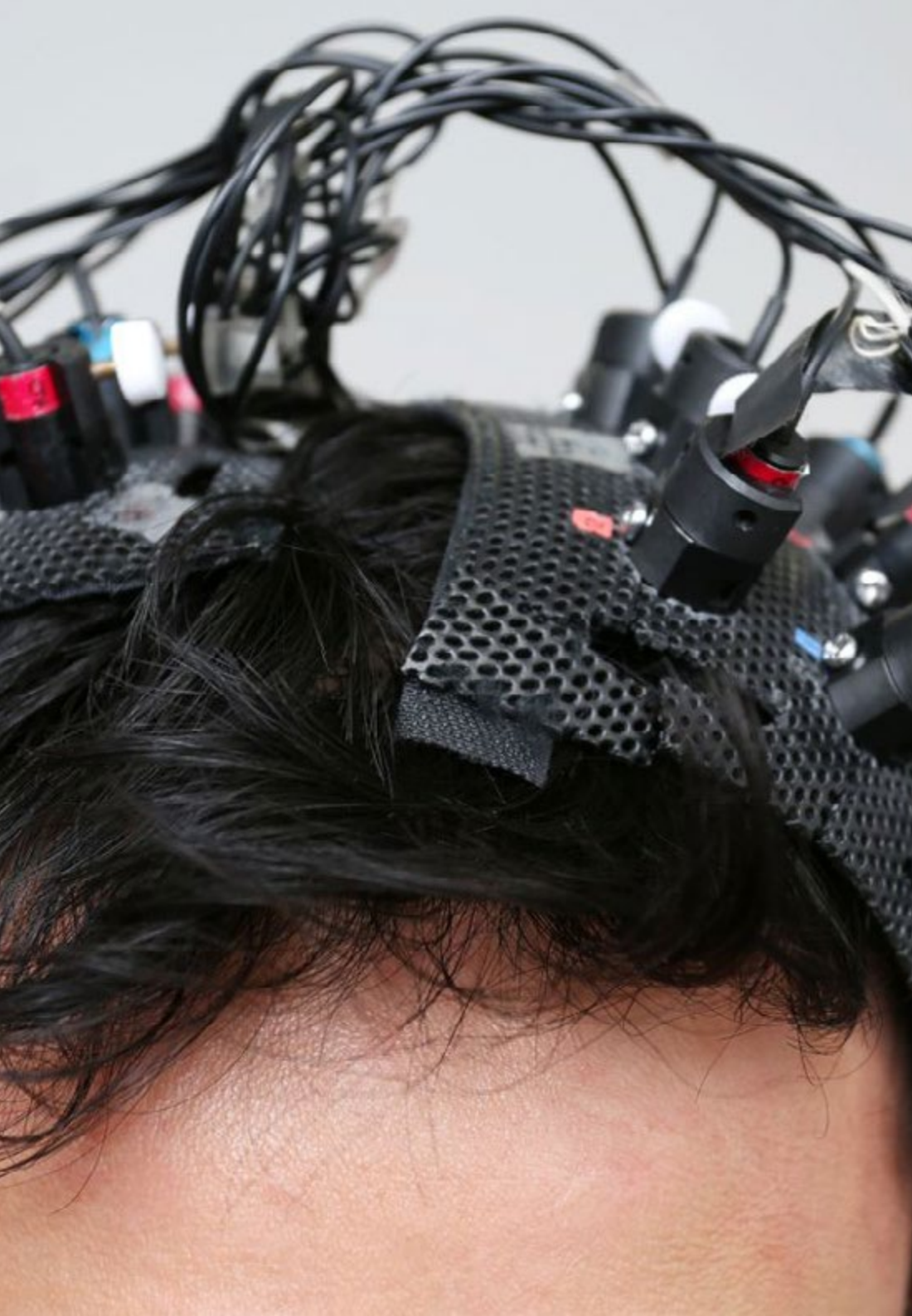
The area of Neurology has been under constant research in recent years, thanks to the use of technological and scientific advances in the search for early diagnostic methods and palliative care of these diseases. In addition, the boom in finding preventive methods according to the predictions of studies on the aging and demographic behavior of the population.

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

The professional will have the support of an assigned tutor for the easy fulfillment of the objectives proposed in this Internship Program. In addition, you will be part of a multidisciplinary team of experts who will accompany you in the study process within a clinical center of reference in the care of patients with neurological disorders.

### 3. Entering First-Class Clinical Environments

For this program TECH has a list of internationally renowned hospitals. The idea is that the professional can incorporate to his or her experience new experiences and perspectives of the most specialized techniques in neurological disease care. For this purpose, you will have the ideal setting equipped with the most specific technical equipment and human resources to help you achieve your goal of medical updating.



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

The Internship Program consists of putting into practice all your knowledge in the area of Neurology immediately, in a real scenario and with patients available for it. Your daily clinical practice will be updated together with a technical and human team ready to help you achieve your goal.

#### 5. Expanding the Boundaries of Knowledge

With TECH there are no frontiers for knowledge. For this reason, this program offers the specialist to update in Neurology in an innovative way with a list of high prestige hospitals available inside and outside the national territory. An exclusive opportunity for today's professional.



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

# 03 Objectives

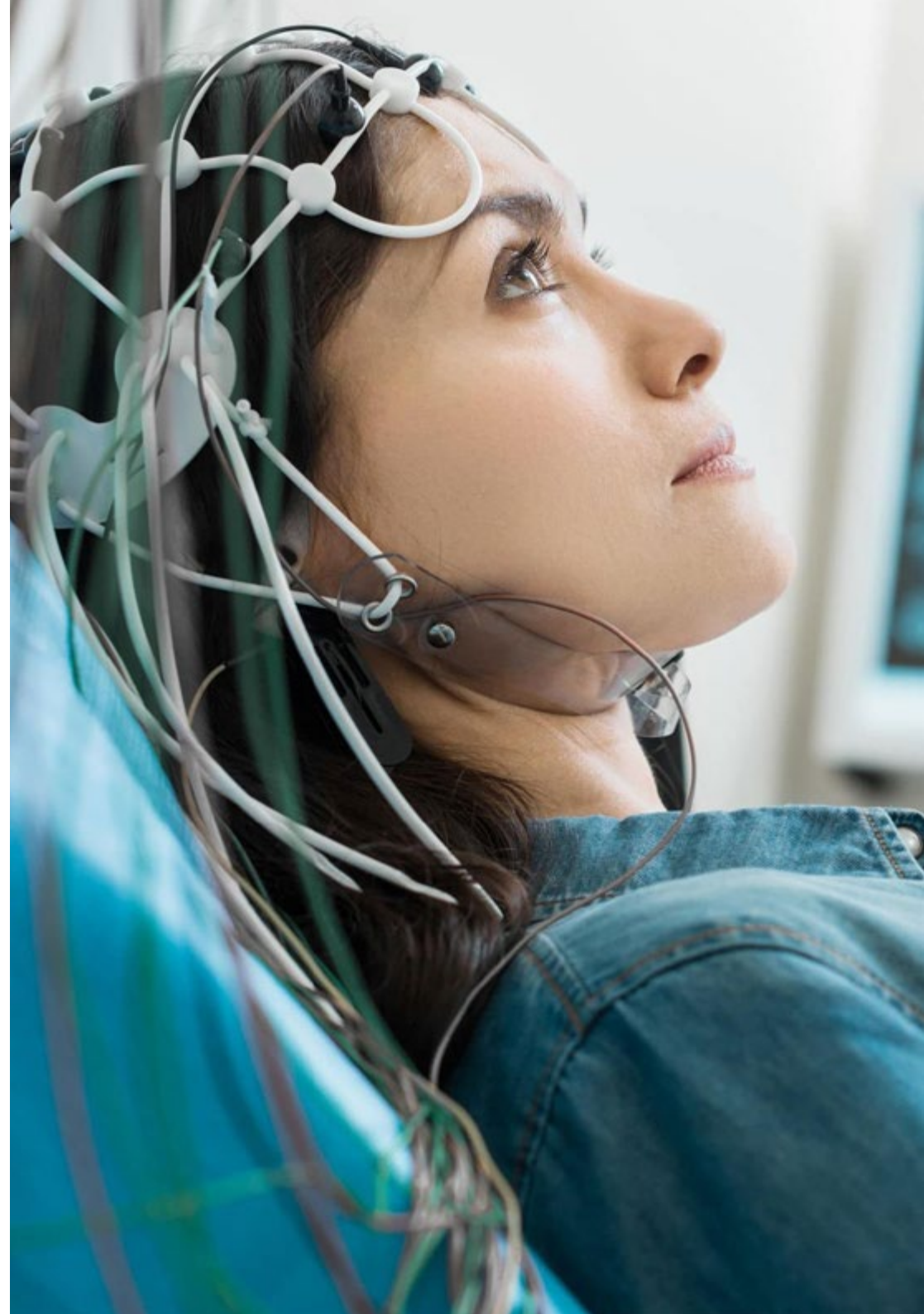
The general objective of the Internship Program in Neurology is to ensure that the professional updates the diagnostic and therapeutic procedures of the specialty in an exclusively practical way, through a hospital stay designed with clinical and academic rigor, under the guidance of renowned professionals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



## General Objectives

---

- Modernize the usual clinical practice in the specialized Neurology consultation
- Know the Latest Updates and Advances in Clinical Neurology
- Mastering the latest techniques and a holistic approach to the patient
- Apply cutting-edge technologies in the treatment of neurological pathologies
- Incorporate diagnostic, therapeutic and palliative care methods into daily work, backed by a team of prestigious experts in the field of Clinical Neurology







## Specific Objectives

---

- ◆ Know the hierarchical organization of Neuroanatomy and Neurophysiology in order to facilitate clinical exploration
- ◆ Recognize syndromic diagnosis as the basis for understanding neurological diseases
- ◆ Recognize Peripheral Nerve, Neuromuscular Plate, and Muscle Diseases at a General Level
- ◆ Approach the patient with neuropathic pain, weakness or fatigue
- ◆ Diagnose most of the systemic processes that produce peripheral nerve and muscle alterations
- ◆ Knowledge of the essential diagnostic techniques and a realistic assessment of what can be expected at this level of care
- ◆ Distinguish ischemic strokes of cardioembolic etiology from the rest and to learn efficient prophylactic guidelines for oral anticoagulation
- ◆ Recognize symptoms, be clear about what to do and above all, what not to do. Know the limitations of each level of care and know how to activate a protocols specific when necessary
- ◆ Perform and efficient and, above all, realistic patient follow-up and control of sequelae and risk factors
- ◆ Have the Clinical Skills to Diagnose and Manage Alzheimer's and Parkinson's Diseases Adequately
- ◆ Know other hypo- or hyperkinetic movement disorders caused by diseases of the basal ganglia, especially dystonias
- ◆ Understand that sleep disorders are multidisciplinary in nature and require a cross-cutting approach
- ◆ Perform the correct neurological assessment of polytraumatized patients
- ◆ Recognize conditions requiring urgent neurosurgery
- ◆ Diagnose fundamental malformations and neurodevelopmental disorders
- ◆ Acquire training and basic skills in the Address of neuro-oncology patients
- ◆ Review the main neurological manifestations of systemic diseases
- ◆ Know the Psychiatric Processes Associated with Neurological Diseases



*The intensive practice will allow to be updated on the diagnosis of neurological diseases, with the use of new diagnostic tools and the support of interdisciplinary criteria. of interdisciplinary criteria"*

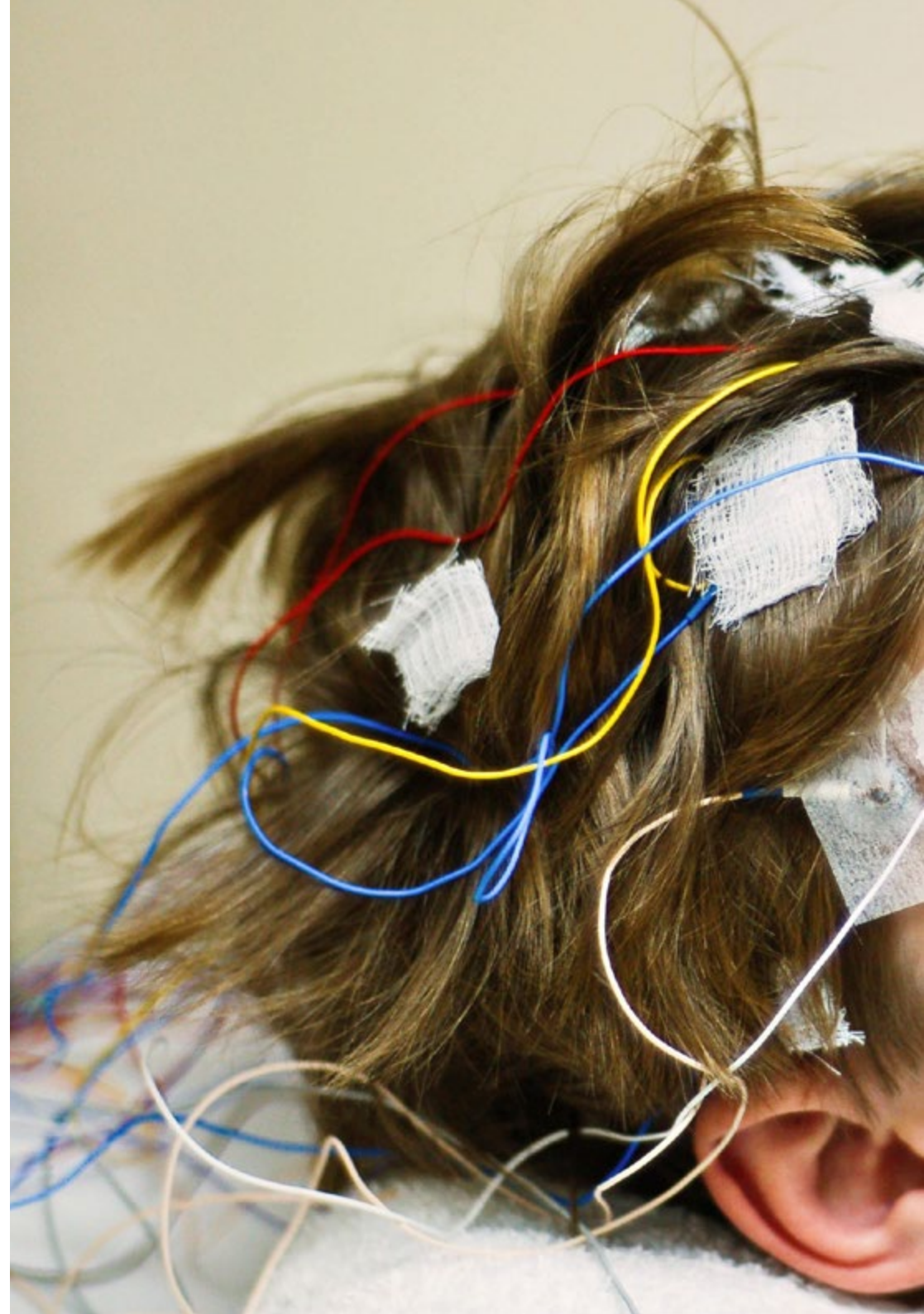
# 04 Educational Plan

The Internship Program of this program to train in consists of 3-week practical stay, Monday through Friday with 8 consecutive hours of practical teaching with an attending specialist. This stay will allow you to see real patients alongside a team of leading specialists in the field Neurology, applying the most innovative diagnostic procedures and planning the latest generation of therapy for each pathology.

In this training proposal, completely practical in nature, the activities are aimed at developing and perfecting the competencies necessary for the provision of Healthcare in areas and conditions that require a high level of qualification, and are oriented towards specific training for the practice of the activity, in an environment of safety for the patient and high professional performance.

It will meet its objectives of updating on diagnostic methodology, clinical localization and explorations in clinical research in Neurology. In addition, to be able to efficiently manage prevention protocols and health programs for vascular risk factors, nervous system trauma, alterations in the level of consciousness, Multiple Sclerosis and other inflammatory or demyelinating disorders of the nervous system, among other frequent situations and pathologies.

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 Clinical Analysis (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>Approach to the neurological patient</b>	Identify the anatomical location of the lesion(s) producing symptoms that produce the symptoms
	Identify the pathophysiology involved
	Perform specific tests to detect cranial nerve conditions involving the patient's 5 senses.
	Selecting the appropriate specific tests
	To review the pathophysiology of orthostatic hypotension
<b>Diagnostic methodology: clinical localization and explorations in clinical research in Neurology</b>	Generate differential diagnoses: syndromic diagnosis, pathological diagnosis, etymological diagnosis and functional diagnosis
	Indicate appropriate imaging and common diagnostic tests such as CT scans
	Delve into the general principles of topography and neurological semiology
	Diagnose and treat neuromuscular transmission disorders
	Perform diagnosis and treatment of ischemic and hemorrhagic stroke, as well as other neurovascular disorders
<b>Approach to patients with alterations in the level of consciousness</b>	Diagnosing and Treating Dementia and Lewy Bodies
	Measure the patient's orientation in time, space and person, attention and concentration, memory, verbal and mathematical skills, judgment and reasoning
	Perform mental status examination according to specific methodologies
	Evaluate praxia and spatial perception
<b>Therapeutic methods for the patient with neurological pathologies</b>	Indicate relaxation techniques, exercise, anxiolytic drugs or paracetamol to patients with tension headaches
	Prescribe the appropriate medications for each case presented with visible neurological symptoms
	Incorporate neurorehabilitation into the treatment of the adult patient o Neurological Physiotherapy
	Indicate preventive methods in possible neurological patients with neuropsychological rehabilitation therapies, through cognitive stimulation techniques

# 05 Where Can I Do the Internship Program?

In order to provide the professional with all the necessary means to achieve a quality update in Neurology, TECH has carefully chosen the hospitals where this Internship Program will take place. The student will be able to choose his or her preferred location from a list of different locations for his or her convenience and freedom. Thus, you will be able to advance in your career in a differential way and according to the demands of today's world.



*The future of Neurology lies in the intelligent use of technology, epidemiology, clinical, pharmacology, genetics, molecular biology, microbiology and immunology. With this program you will advance as you wish"*





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

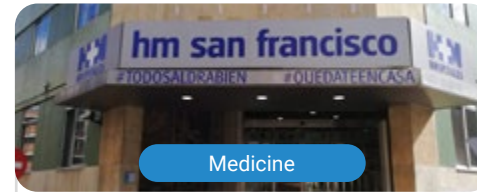
### Hospital HM Rosaleda

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 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

### 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 Madrid

Country: Spain City: 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 Montepríncipe

Country: Spain City: Madrid

Address: Av. de Montepríncipe, 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: Spain City: 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 Nuevo Belén

Country: Spain City: 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

### HM CINAC - Centro Integral de Neurociencias

Country City  
Spain Madrid

Address: Avenida Carlos V, 70, 28938, Móstoles, Madrid

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

Related internship programs:  
Neurological Physiotherapy



Medicine

### HM CINAC Barcelona

Country City  
Spain Barcelona

Address: Avenida de Vallcarca, 151, 08023, Barcelona

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

Related internship programs:  
Neurodegenerative Diseases  
Neurology Nursing



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 Matogrande

Country City  
Spain La Coruña

Address: R. Enrique Mariñas Romero, 32G, 2º, 15009, A Coruña

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

Related internship programs:  
Sports Physiotherapy  
Neurodegenerative Diseases



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

**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

**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 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 Update in Neurology** 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 Update in Neurology**

Duration: **3 weeks**

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

Accreditation: **5 ECTS**





Internship Program  
Update in Neurology

# Internship Program Update in Neurology



TR 6300.0  
TE 124.0  
TA 04:24  
M  
Sag(1.5)  
A3/SAT1  
tse2d1 23 / 180  
BROOKES  
1170 AF  
STUDY 1  
09/11/01  
16:41:53  
2 IMA 19  
RFP  
5cm  
R  
TP 0  
SP H51  
FoV