

Internship Program

Physiotherapy in the Approach to Acquired Brain Injury

Endorsed by the NBA:



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Internship Program
Physiotherapy in the Approach
to Acquired Brain Injury

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01 Introduction

Neurological physiotherapy is essential to address patients with acquired brain injury. Great advances in this field, as well as new technologies applied to this context, have shown importance of using neurorehabilitation techniques to achieve significant improvements in patients. It is therefore necessary for professionals in the sector to keep updated with latest procedures and, to do so, there is nothing better than to do it in a practical way, with an intensive stay such as the one proposed by TECH.

Acquired Brain Injury represents the third leading cause of death and the first cause of disability for adults on a global scale. This high incidence has encouraged medical sciences to constantly analyze these medical conditions. At the same time, Physiotherapy strives to rehabilitate and facilitate a better quality of life for people who survive this kind of neurological accidents. Based on these needs, discipline innovates every day, seeking new methods for evaluation and diagnosis of these disorders. In addition, its experts develop equipment and tools to facilitate patients' recovery in an efficient manner. These updated contents also generate a wide range of practical competencies, which professionals often access through self-improvement and self-preparation. TECH wants to change that scenario and offers the most demanded skills in this academic field in an innovative study modality 100% presential.





This Internship Program in Physiotherapy in the Approach to Acquired Brain Injury is intended to be a compendium of the most updated evidence and scientific knowledge about nervous system and its rehabilitation when it is injured in a supervening way. Thanks to this, it is able to specialize physiotherapist who has never dealt with people with this type of disease and, nevertheless, has an interest in their professional future being related to the treatment of such patients. Likewise, professional who is already a neurological physiotherapist, whether or not dealing with Acquired Brain Injury, will find a space to update their knowledge and reach super-specialization in this group of patients.

This way, TECH offers them a unique opportunity to participate, for 3 weeks, in teamwork of a physiotherapy center of reference, with extensive experience with patients with these pathologies. Therefore, students will have at their disposal a tutor and other professionals who will teach them keys and the most updated technologies that have brought best results for patients' health. An indispensable opportunity to develop skills that will give them a boost to their careers.



Enjoy an intensive 3-week stay in a reputable center and get up to date on the latest clinical procedures to achieve professional growth"

02

Why Study an Internship Program?

TECH has designed a program of excellence for its students to master the physiotherapeutic approach to Acquired Brain Injury. Practical skills, necessary for this professional improvement, will be included in an innovative Certificate. This last one is comprised of a 120-hour stay in a prestigious therapeutic institution in neuro-rehabilitation field. In this instance, students will work together with leading experts in the sector and will develop the most updated and sought-after knowledge in this field.



With this practical study program, you will delve into recovery differences of children and elderly after having suffered neurological accidents that generate Acquired Brain Injury"

1. Updating from the latest technology available

Scientific and technological research has led to appearance of increasingly modern and effective equipment that facilitates patient's recovery with Acquired Brain Injury. Students in this academic program will specialize in management of all of them under close supervision of an assistant tutor.

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

This Internship Program has a diverse team of professionals who will directly exchange their knowledge and experience with students. Access to these experts is guaranteed from the first moment of learning and they will be responsible for integrating students into different dynamics of their daily work activities.

3. Entering into first class Physiotherapist environments

Available centers for this program have been chosen by TECH under two important premises. First of all, facilities are equipped with the best technological tools for diagnosis and treatment of patients with Acquired Brain Injury. The institution has also achieved significant results in neurorehabilitation field thanks to an adequate qualification of its physiotherapists.



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

Throughout 3 educational weeks, students will directly approach recovery process of patients affected by Acquired Brain Injury. This way, working with real cases will facilitate rapid and flexible assimilation of updated competencies in this work field.

5. Expanding the Boundaries of Knowledge

TECH offers the possibility of developing knowledge beyond immediate local environment. From its multiple agreements and contacts, the academic institution has contacted neurorehabilitation institutions located in different latitudes and students will be able to choose which one to attend on an individual basis.



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

03 Objectives

The main objective of this program is to promote specialization of physiotherapists in neurological rehabilitation, thanks to an eminently practical stay in a reference center, where they can learn about latest scientific evidence in the field. Therefore, they will acquire skills to facilitate integration of neurological patients, attending to all their complexity, achieving greater success and a better quality of life for patients.



General Objectives

- ♦ To identify evidence of Acquired Brain Injury based on a thorough knowledge of structural and functional anatomical bases of nervous system
- ♦ To detect different symptoms and syndromes according to affected area of Acquired Brain Injury
- ♦ To master therapeutic tools and professional competences of clinical team when dealing with patients with team when dealing with patients with Acquired Brain Injury





Specific Objectives

- To update knowledge in neuroscience applicable to neurological injury
- To analyze neurophysiological processes of motor learning and different theories of motor control
- To know implications of Acquired Brain Injury according to patient's age
- To identify hemineglect and to know its implications for patient and for therapeutic approach
- To recognize pusher syndrome and to update knowledge about it with a view to its implications for therapeutic approach
- To understand difference between cerebellar versus basal ganglia symptomatology
- To distinguish apraxia and its implications for patient and therapeutic approach
- To interpret radiological findings through CT, MRI and other complementary radiodiagnostic tests
- To plan therapeutic approach according to neurological examination findings and physiotherapeutic assessment
- To interpret medical or other specialist reports to extract relevant information about the patient
- To manage the most updated methods and concepts in use by neurological physiotherapists
- To review the most useful orthotics and support products for patients with Acquired Brain Injury
- To identify communicative and swallowing disorders in order to refer them to the competent professional and contemplate them in patient's globality
- To recognize implication of different cognitive domains, injured or intact, in movement impairment and what implication they have in physiotherapeutic approach

04

Educational Plan

The Internship Program in Physiotherapy in Acquired Brain Injury is made up of an intensive stay in a reference center, lasting 3 weeks from Monday to Friday, with 8 consecutive hours of practical learning with an assistant specialist. This stay will allow students to see real patients alongside a team of leading professionals in this area, applying latest technologies and techniques in this field.

In this completely practical education proposal, activities are intended to develop and improve necessary skills and competencies for care of brain-damaged patients. This proposal is oriented to specific qualification of physiotherapist for exercise of their logopedic practice, in a safe environment for the patient and with high professional performance.

It is, no doubt, a unique opportunity to learn by working in an innovative center that is committed to the quality of its resources and the latest technologies. This way, patient's and professionals' objectives are met in a safe way and following highest quality standards currently required.

The center stay will allow professionals to complete a minimum number of clinical practice activities in physiotherapy services in the approach to Acquired Brain Injury, or in patient care and monitoring.

Practical teaching will be carried out with active participation of students performing activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow students that facilitate teamwork and multidisciplinary integration as transversal competencies for practice of Physical Therapy (learning to be and learning to relate).

Procedures described below will be basis of practical part of the program, and their implementation will be subject to the center's own availability and workload, with proposed activities being the following:



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
Evaluation techniques and diagnosis of patients with Acquired Brain Injury	To examine normative neurodevelopment to identify prognosis in rehabilitation of Acquired Brain Injury as a function of age
	To estimate a prognosis on basis of examination and evolution
	Gain up-to-date knowledge of the physiology of movement
	Learn to assess degree of altered consciousness and to treat epilepsies
Work Methodologies for Acquired Brain Injury care in childhood and geriatric ages	Know the specific approach models of pediatric physiotherapy in ABI
	To review typical comorbidities of the geriatric patient with Acquired Brain Injury
	Know options at discharge in order to make the best decision for the patient regarding their residence and rehabilitation
	Review the most commonly used technical aids in geriatric patient with ACD
	Assist patient and family emotionally and to understand how they are affected by the approach and rehabilitation
More frequent complications of patient with Acquired Brain Injury	Review most frequent complications of the DCA patient to prevent or mitigate them
	Recognize respiratory complications and know how to approach them from physiotherapy
	Identify factors that cause shoulder pain, how to prevent it and how to deal with it once it appears
	Examine spinal cord injuries and musculoskeletal complications
Current guidelines for therapeutic approach of the patient with Acquired Brain Injury	Learn to program a physiotherapeutic approach protocol
	Identify behavioral disorders secondary to Acquired Brain Injury in order to refer to competent professional and contemplate them in patient's globality
	Scheduling rehabilitation in conjunction with other professionals

05

Where Can I Do the Internship Program?

With the main objective of offering the best education at the moment and following TECH's high quality standards, the academic institution is reaching collaboration agreements with main physiotherapy centers so that students can participate in intensive internships to improve their qualifications. This way, students will be able to get updated with latest tools and techniques for approach to acquired brain injury, treating real patients.



Access to a physiotherapy center of reference and learn with the best professionals in the sector. It will be a unique academic and work experience”





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



Physiotherapy

ASPAYM Principado de Asturias

Country: Spain City: Asturias

Management: Av. Roma, 4, 33011 Oviedo, Asturias
National federation dedicated to the physical and mental promotion of patients.

Related internship programs:
-Neurological Physiotherapy
Neurodegenerative Diseases



Physiotherapy

ACD Rehabilitación Oviedo

Country: Spain City: Asturias

Management: Av. fundación príncipe de Asturias,2, bajo 33004 Asturias

Interdisciplinary rehabilitation center with a cross-disciplinary approach

Related internship programs:
-Physiotherapy in the Approach to Acquired Cerebral Damage
Geriatric Physiotherapy



Physiotherapy

ACD Rehabilitación Gijón

Country: Spain City: Asturias

Management: 4º B., C. Corrida, 59, 33206 Gijón, Asturias

Interdisciplinary rehabilitation center with a cross-disciplinary approach

Related internship programs:
Geriatric Physiotherapy
- Neurological Physiotherapy in Degenerative Diseases



Physiotherapy

ACD Rehabilitación Avilés

Country: Spain City: Asturias

Management: C. Pablo Iglesias, Nº 13, Bajo, 33402 Avilés, Asturias

Interdisciplinary rehabilitation center with a cross-disciplinary approach

Related internship programs:
-Physiotherapy in the Approach to Acquired Cerebral Damage
Geriatric Physiotherapy



Physiotherapy

Neurovida - Multiespacio Avenidas

Country: Spain City: Madrid

Management: Avenida de Baviera 4-6, 28028, Madrid
Care center for patients with neurodegenerative pathologies or brain damage.

Related internship programs:
- Neurological Physiotherapy in Degenerative Diseases



Physiotherapy

Hospital HM Modelo

Country: Spain City: La Coruña

Management: 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



Physiotherapy

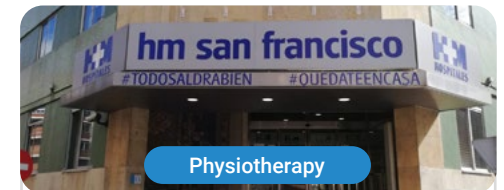
Hospital Maternidad HM Belén

Country: Spain City: La Coruña

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

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

Related internship programs:
- Update in Assisted Reproduction
- Hospitals and Health Services Management



Physiotherapy

Hospital HM San Francisco

Country: Spain City: León

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

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

Related internship programs:
-Anesthesiology and Resuscitation Update
-Nursing in Traumatology Service



Physiotherapy

Hospital HM Regla

Country	City
Spain	León

Management: 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



Physiotherapy

Hospital HM Nou Delfos

Country	City
Spain	Barcelona

Management: Avinguda de Vallcarca, 151, 08023 Barcelona

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

Related internship programs:

- Aesthetic Physiotherapy
- Clinical Nutrition in Physiotherapy



Physiotherapy

Hospital HM Madrid

Country	City
Spain	Madrid

Management: 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



Physiotherapy

Hospital HM Torrelodones

Country	City
Spain	Madrid

Management: 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



Physiotherapy

Hospital HM Sanchinarro

Country	City
Spain	Madrid

Management: 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



Physiotherapy

Hospital HM Puerta del Sur

Country	City
Spain	Madrid

Management: 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



Physiotherapy

Policlínico HM Las Tablas

Country	City
Spain	Madrid

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

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

Related internship programs:

- Nursing in Traumatology Service
- Physiotherapy Diagnosis



Physiotherapy

Policlínico HM Moraleja

Country	City
Spain	Madrid

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

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

Related internship programs:

- Rehabilitation Physiotherapy in Acquired Brain Injury Management



Physiotherapy

Policlínico HM Virgen del Val

Country	City
Spain	Madrid

Management: Calle de Zaragoza, 6, 28804, Alcalá de Henares, Madrid

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

- Related internship programs:**
- Physiotherapy Diagnosis
 - Physiotherapy in Early Child Care



Physiotherapy

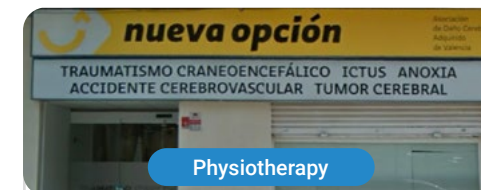
Policlínico HM Imi Toledo

Country	City
Spain	Toledo

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

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

- Related internship programs:**
- Electrotherapy in Rehabilitating Physiotherapy
 - Hair Transplantation



Physiotherapy

Nueva Opción

Country	City
Spain	Valence

Management: Carrer de Greses, 21, bajo, 46020 Valencia

Association dedicated to the integral treatment of Acquired Brain Injury

- Related internship programs:**
- Physiotherapy in the Approach to Acquired Cerebral Damage



Physiotherapy

Athlos Ecatepec

Country	City
Mexico	Mexico City

Management:
Plaza Ecatepec, Via Morelos 172,
Local C-8, Los Laureles, Ecatepec
de Morelos, Méx. Junto a la zona de Comida

Specialized centers for physical and sports rehabilitation

Related internship programs:

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

Athlos Naucalpan

Country	City
Mexico	Mexico City

Management:
Av. Gustavo Baz Prada No. 116, Col. Bosques
de Echegaray, Naucalpan de Juárez. Estado de México

Specialized centers for physical and sports rehabilitation

Related internship programs:

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

Athlos Iztacalco

Country	City
Mexico	Mexico City

Management: Julio García No. 14, Piso 2, San
Miguel, Iztacalco, CDMX. Esq. Francisco del
Paso y Troncoso

Specialized centers for physical and sports rehabilitation

Related internship programs:

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

Athlos Toluca

Country	City
Mexico	Mexico City

Management: Cerro de la Estrella 128 - 29,
Xinantécatl, Metepec, Edo. de Méx

Specialized centers for physical and sports rehabilitation

Related internship programs:

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

Athlos Tiber

Country	City
Mexico	Mexico City

Management: Río Tiber No. 21, 3er Piso, Col:
Cuauhtémoc, Del: Cuauhtémoc, CDMX

Specialized centers for physical and sports rehabilitation

Related internship programs:

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

Athlos Roma

Country	City
Mexico	Mexico City

Management: Guanajuato 178, 3er Piso. Roma
Norte, Cuauhtémoc, CDMX

Specialized centers for physical and sports rehabilitation

Related internship programs:

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

Athlos Tlalpan

Country	City
Mexico	Mexico City

Management:
Calle 3 Num 52, Coapa, Espartaco,
Coyoacán, 04870, CDMX

Specialized centers for physical and sports rehabilitation

Related internship programs:

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

Athlos Lindavista

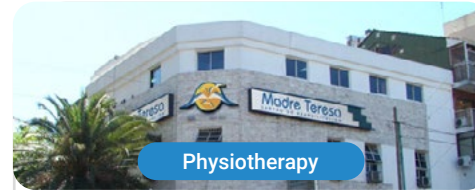
Country	City
Mexico	Mexico City

Management: Sullana 741, Col. Lindavista, Del.
G.A.M. CDMX

Specialized centers for physical and sports rehabilitation

Related internship programs:

- Physiotherapy Diagnosis
- Electrotherapy in Physiotherapy



Physiotherapy

Madre Teresa Centro de Rehabilitación

Country	City
Argentina	Buenos Aires

Management: Bartolomé Mitre 2450, Avellaneda, Buenos Aires, Argentina

Multidisciplinary Rehabilitation Center specialized in physical and occupational recovery.

Related internship programs:

- Clinical Nutrition in Medicine
- Geriatric Physiotherapy



Physiotherapy

Pilares del Rosario

Country	City
Argentina	Santa Fe

Management: Paraguay 2041 Rosario, Santa Fe

Clinic of integral neurorehabilitation of adults and children.

Related internship programs:

- Early Attention Physiotherapy
- Hyperbaric Medicine



Physiotherapy

Avanza Rehabilitación

Country	City
Argentina	Tucumán

Management: Juan Gregorio de las Heras 581, T4000 San Miguel de Tucumán

Curative and preventive facility, integrating physiotherapy, occupational therapy and social work

Related internship programs:

- Physiotherapy in the Approach to Acquired Cerebral Damage
- Sports Injury Prevention and Rehabilitation

06

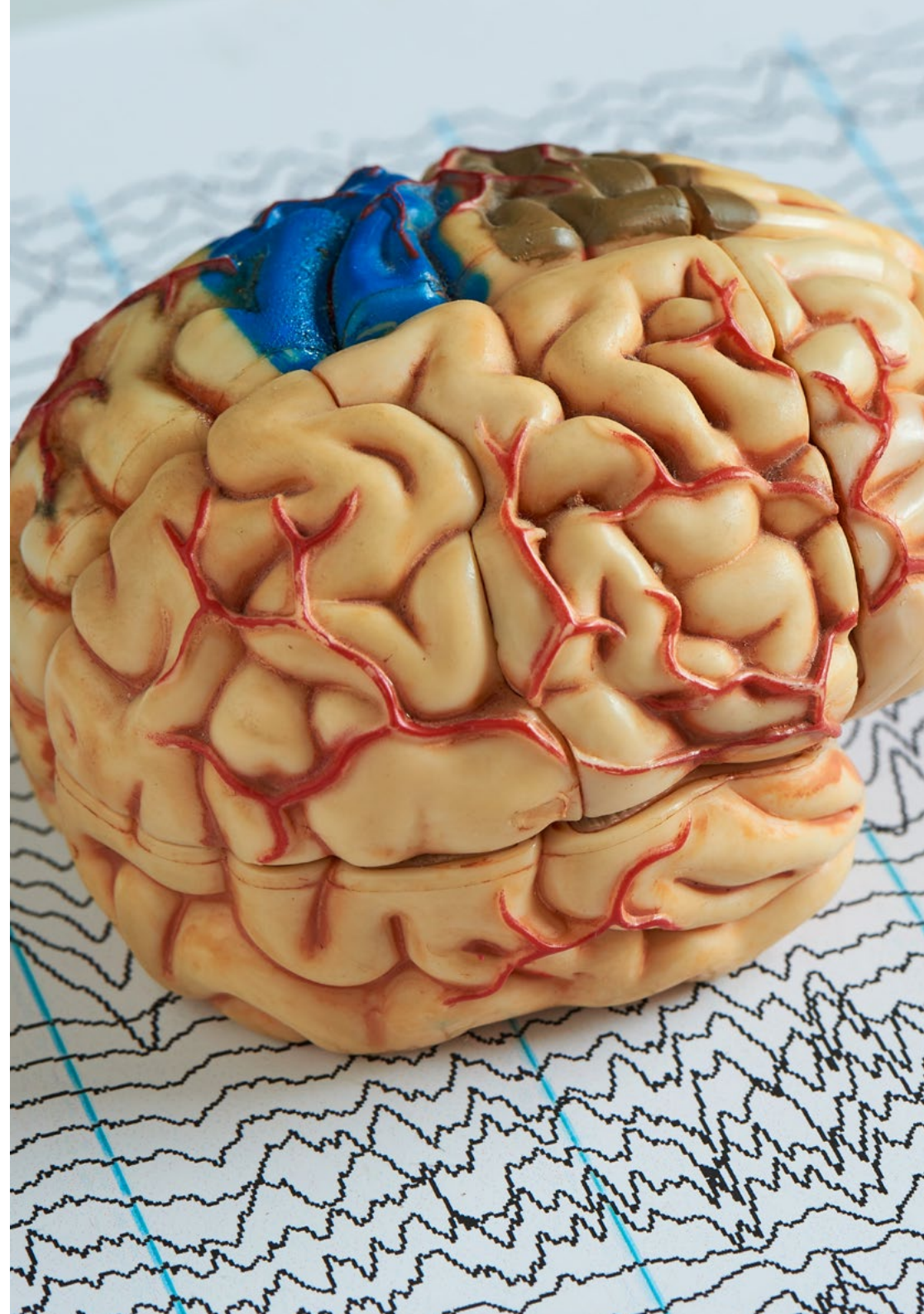
General Conditions

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.

For this purpose, this educational entity undertakes to take out an insurance policy to cover any eventuality that may arise during 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. This way, professionals will not have to worry in case they have to deal with an unexpected situation and will be covered until the end of 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. TUTORING: during the Internship Program the student will be assigned two tutors who will accompany them throughout the process, resolving 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. This way, the professional will be accompanied at all times and will be able to consult any doubts that may arise, both of a practical and academic nature.

2. DURATION: the internship program will have a duration of three continuous weeks of practical education, distributed in days of 8 hours and five days a week. Attendance days and schedule will be the center's responsibility, informing the professional duly and in advance, with sufficient time in advance in order to in advance to facilitate their organization.

3. ABSENCE: in case of non-attendance on start date of the Internship Program, the student will lose the right to the Internship Program without 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. NO INCLUDED: 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's Degree in Physiotherapy in the Approach to Acquired Brain Injury** contains the most complete and up-to-date program in the professional and academic landscape.

After the student has passed the assessments, they will receive their corresponding Internship Program diploma issued by TECH Technological University via tracked delivery*.

The certificate issued by TECH will state the score obtained in the test.

Title: **Internship Program in Physiotherapy in the Approach to Acquired Brain Injury**

Duration: **3 weeks**

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

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

Endorsed by the NBA



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Internship Program
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