

Postgraduate Certificate

Acquired Brain Injury Intervention for
Rehabilitation Physicians





Postgraduate Certificate

Acquired Brain Injury Intervention for Rehabilitation Physicians

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/acquired-brain-injury-intervention-rehabilitation-physicians

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01

Introduction

The increase in the incidence of Acquired Brain Injury (ABI), especially stroke, and its survival, make neurorehabilitation and physiotherapy an indispensable element, since stroke is currently the leading cause of disability





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This Postgraduate Certificate in Acquired Brain Injury Intervention for Rehabilitation Physicians will give you a sense of confidence in the performance of your profession, which will help you grow personally and professionally”

The public's awareness of the need for specialized professionals is leading to an increase in the demand for rehabilitation physicians who are able to understand how the nervous system functions after an injury and how to get the most out of it in order to minimize the after-effects of the injury

In addition, we are living in an era of great advances in the field of neuroscience, as well as Physiotherapy as a science, which forces us to have to update our knowledge both about the functioning of the nervous system, as well as how to evaluate and therapeutically approach a person with ABI, since each injury is different and will manifest itself in a different way in each patient

This Postgraduate Certificate aims to be a compilation of the most up to date evidence and scientific knowledge about the nervous system and its rehabilitation when it is injured in a supervening way. As a result, it is a master's degree capable of specializing the rehabilitation physician who has never dealt with people with ACD and, nevertheless, is interested in having his or her professional future related to this type of patient

Likewise, the professional who is already a Rehabilitation Physician, whether or not dealing with ACD, will find a space to update their knowledge and become highly specialized in this group of patients

On the other hand, by understanding so much information about Neuroscience and functionality, it can be a useful tool for the Rehabilitation Physician who needs to know the ins and outs of the nervous system to better understand and address the injury or therapeutic need in a general way

This **Postgraduate Certificate in Acquired Brain Injury Intervention for Rehabilitation Physicians** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ Development of case studies presented by experts in Acquired Brain Injury Intervention for Rehabilitation Physicians
- ♦ The graphic, schematic, and practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ New developments in Acquired Brain Injury Intervention for Physical Therapy
- ♦ It contains practical exercises where the self-evaluation process can be carried out to improve learning
- ♦ With special emphasis on innovative methodologies in Acquired Brain Injury Intervention for Rehabilitation Physicians
- ♦ All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



Up to date knowledge through the Postgraduate Certificate Program in Acquired Brain Injury Intervention for Rehabilitation Physicians"

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This program may be the best investment you can make for two reasons: in addition to updating your knowledge in Acquired Brain Injury Intervention for Rehabilitation Physicians, you will obtain a Postgraduate Certificate from TECH Technological University”

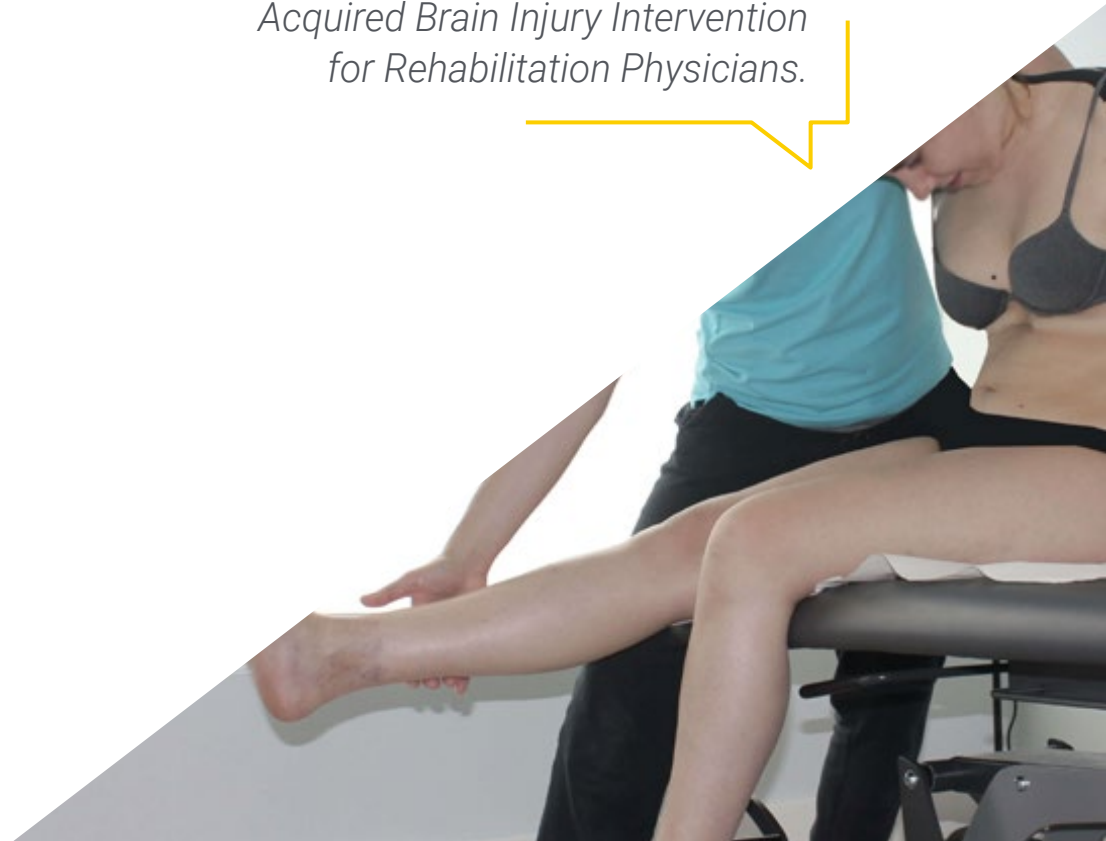
It includes in its teaching staff professionals belonging to the field of management of complications in Acquired Brain Injury Intervention for Rehabilitation Physicians, who contribute their work experience to this specialization, as well as renowned specialists belonging to prestigious reference societies and universities

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to train in real situations

The design of this program is based on Problem-Based Learning, by means of which the student must try to solve the different professional practice situations that arise throughout the program. To do so, the student will be assisted by an innovative interactive video system created by recognized experts in the field of Acquired Brain Injury Intervention for Rehabilitation Physicians with extensive teaching experience

Increase your decision-making confidence by updating your knowledge through this Postgraduate Certificate.

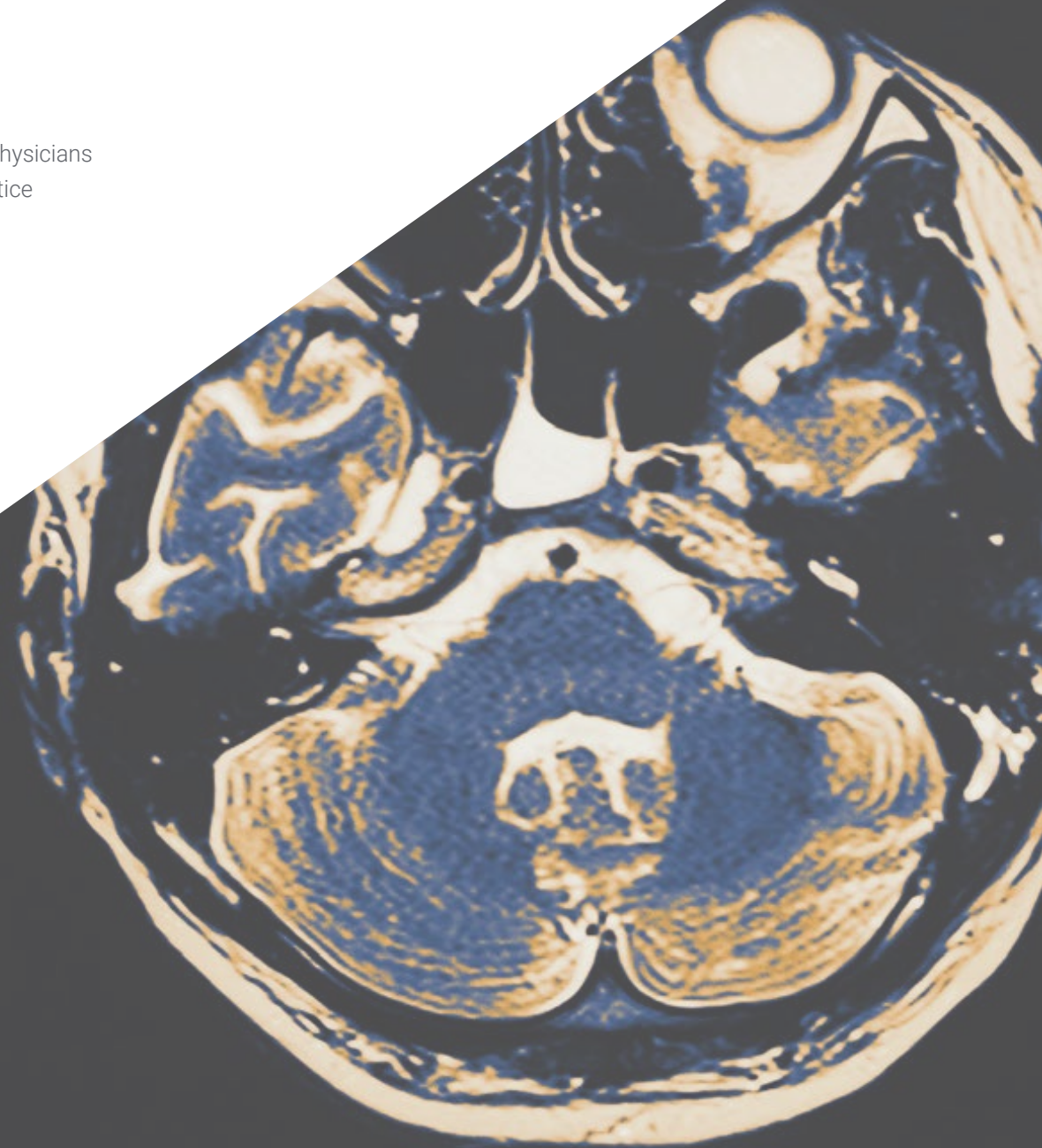
Take the opportunity to learn about the latest advances in Acquired Brain Injury Intervention for Rehabilitation Physicians.



02

Objectives

The Postgraduate Certificate in Acquired Brain Injury Intervention for Rehabilitation Physicians is aimed at facilitating the performance of rehabilitation physicians in their daily practice



The background of the slide features a medical scan, likely a CT or MRI, showing a cross-section of a human head and neck. The image is rendered in a blue and yellow color scheme. The scan shows the internal structures of the head, including the eyes, nasal cavity, and the base of the skull. The image is partially obscured by a large blue diagonal shape that cuts across the bottom right corner of the slide.

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Our goal is yours: to provide you with the best online update program in this area of the teaching market. A one-of-a-kind Postgraduate Certificate that will propel you to the forefront of your industry"



General Objectives

- Learn to locate the different anatomical structures of the region
- Identify pathologies to ensure correct ultrasound guided physiotherapy treatment
- Define the limits of ultrasound
- Learning the use of ultrasound in the context of the competences of the Rehabilitation Physician



Update your knowledge through the program in Acquired Brain Injury Intervention for Rehabilitation Physicians"





Specific Objectives

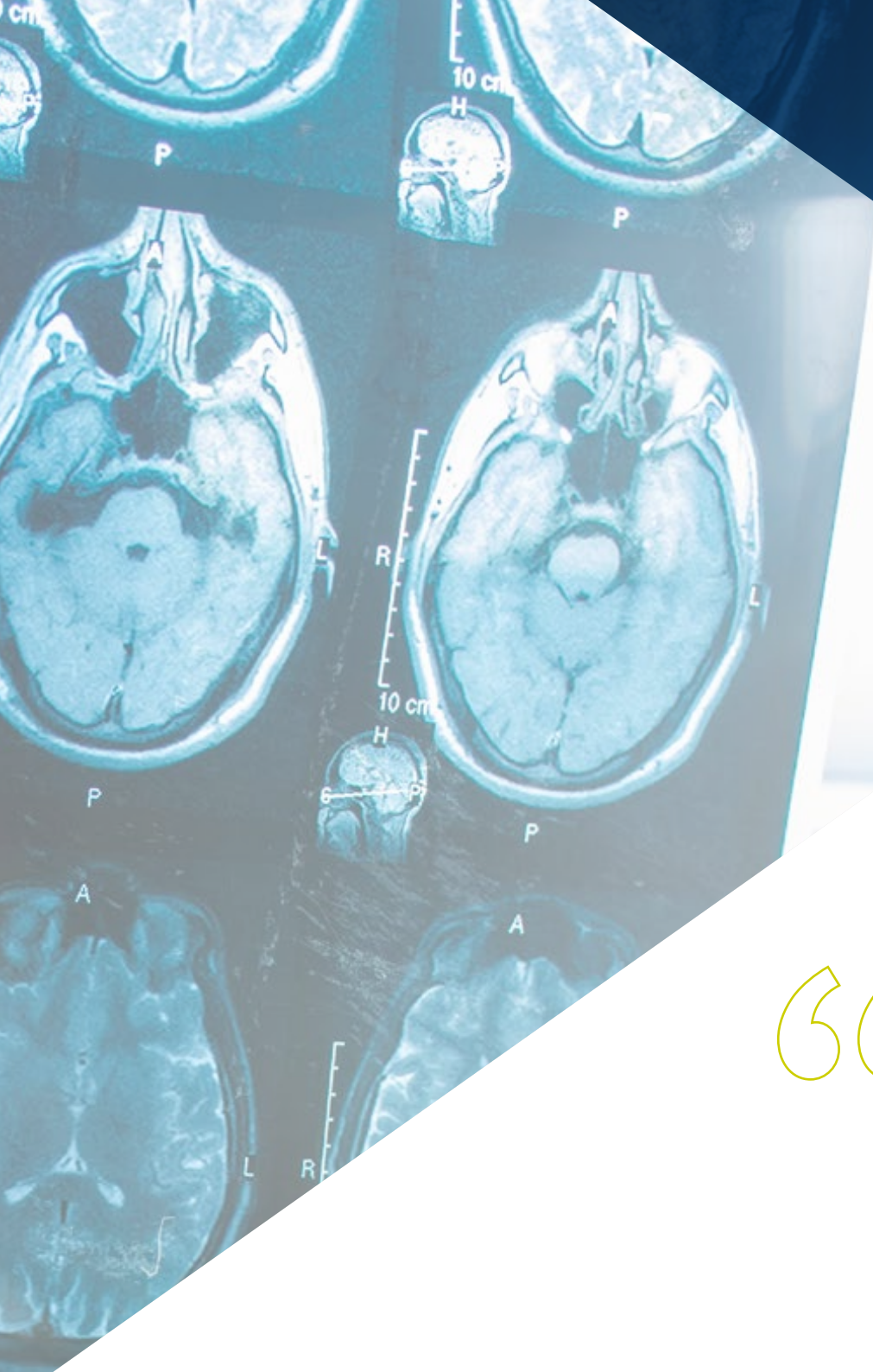
- ♦ Review the most useful orthoses and support products for patients with ABI
- ♦ Learn to identify communication disorders in order to refer them to the competent professional and contemplate them in the patient's overall condition
- ♦ Learn to identify swallowing disorders in order to refer them to the competent professional and contemplate them in the overall condition of the patient
- ♦ Learn to identify behavioral disorders secondary to ABI in order to refer them to the competent professional and contemplate them in the overall condition of the patient
- ♦ Take into account the emotional state of the patient and the family and how it affects the approach and rehabilitation

03

Course Management

The program includes in its teaching staff, reference specialists in Acquired Brain Injury Intervention for Rehabilitation Physicians, who bring the experience of their work to this specialization. In addition, other specialists of recognized prestige participate in its design and elaboration, completing the program in an interdisciplinary manner.





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Learn from leading professionals, the latest advances in procedures in the field of Acquired Brain Injury Intervention for Rehabilitation Physicians"

Management



Ms. De Andrés Garrido, Berta

- ♦ Neurophysiotherapist at the Neurological Rehabilitation Center in Neurointegra
- ♦ Diploma in Physiotherapy
- ♦ Master's Degree in Neurological Physiotherapy of Adults and Children
- ♦ Master's Degree in Neurological Physiotherapy

Professors

Dr. Rodríguez Sánchez, Augusto Rembrandt

- ♦ Professor en Cardenal Spínola University Center of Studies CEU
- ♦ Degree in Physical Activity and Sports Science
- ♦ PhD from the University of Seville

Ms. Bacardit Riu, Laura

- ♦ Physiotherapist- MIT
- ♦ Diploma in Physiotherapy
- ♦ Master's Degree in Neurorehabilitation in the Guttmann Institute (UAB)
- ♦ Specialist in Neurosciences, Aquatic Therapy and Therapeutic Exercise

Ms. Ferreiro Pardo, Tatiana

- ♦ Physiotherapist in the Teresa Herrera Mother and Child Hospital in A Coruña
- ♦ Degree in Physiotherapy
- ♦ Master's Degree in Neuroscience with a major in Medical Neurobiology
- ♦ Specialist in the evaluation and treatment of adult neurological patients
- ♦ Specialist in the treatment and evaluation of pediatric patients with neurological alterations and collaboration with the virtual reality development programs for physical rehabilitation

Mr. Abeledo, Juan Luis

- ♦ Physiotherapist. Upacesur Foundation
- ♦ Diploma in Physiotherapy
- ♦ Specialist in Hydrotherapy by the UCLM

Dr. Gómez Soriano, Julio

- ♦ Head of the Research Group in Physiotherapy Toledo (GIFTO) University School of Nursing and Physiotherapy of Toledo University of Castilla La Mancha (UCLM)
- ♦ Sensory-Motor function National Hospital of Paraplegics Toledo
- ♦ Diploma in Physiotherapy
- ♦ Degree in Physical Activity and Sports Sciences from UCLM.
- ♦ Master's Degree in Neurological Pathology and PhD from Rey Juan Carlos University

Dr. Pérez Nombela, Soraya

- ♦ Research Group in Physiotherapy Toledo (GIFTO) University of Castilla La Mancha,
- ♦ Diploma in Physiotherapy
- ♦ Master's Degree in Neurological Pathology
- ♦ Specialist in Human Gait Biomechanics, Neurorehabilitation, Robotics and Spinal Cord Injury.

Dr Ferrand Ferri, Patricia

- ♦ Specialist in Physical Medicine and Rehabilitation at the Hospital Universitario Virgen del Rocío.
- ♦ Degree in Medicine and Surgery
- ♦ Postgraduate Diploma in Child Rehabilitation
- ♦ Area of Work: Children's Rehabilitation. Instrumented Gait Analysis

Mr. Del Barco Gavala, Alberto

- ♦ Degree in Psychology from the University of Granada
- ♦ Master's Degree in Clinical Neuropsychology from the Pablo Olavide University
- ♦ Master's Degree in Neurosciences and Behavioral Biology from the Pablo de Olavide University
- ♦ International Master's Degree Neuroscience and Biology of Behavior from the Autonomous University of Barcelona
- ♦ Specialist in Neuropsychology

Ms. Aguirre Moreno, Arantzazu

- ♦ Occupational Therapist at Clinica Galey and Bionika Salud
- ♦ Occupational Therapist at Bionika Salud

Ms. Salgueiro, Carina

- ♦ Degree in Physiotherapy with specialty in the Bobath Concept in Adults and Onset in Childhood

Ms. Aguado Caro, Patricia

- ♦ Carries out her work at the Neurological Rehabilitation Center at Neurointegra
- ♦ Neuropsychologist

Ms. Narbona González, Natividad

- ♦ Carries out her work at the Neurological Rehabilitation Center at Neurointegra
- ♦ Neuropsychologist

Ms. Piñel Cabas, Inmaculada

- ♦ Occupational Neurotherapist
- ♦ Neurointegra

Mr. Lozano Lozano, Mario

- ♦ Teacher Researcher
- ♦ Department of Physiotherapy, Faculty of Health Sciences
- ♦ University of Granada

Ms. Hurtado de Mendoza Fernández, Alba

- ♦ Diploma in Occupational Therapy
- ♦ Master's Degree in Neuroscience
- ♦ Specialty in Cognitive Neuroscience
- ♦ Advanced training in Neurorehabilitation

Ms. Agúndez Leroux, Sandra

- ♦ Carries out her work at the Neurological Rehabilitation Center at Neurointegra
- ♦ Occupational Therapist

Ms. Abelleira, Estefanía

- ♦ Neurophysiotherapist
- ♦ Master's Degree in Neurophysiotherapy
- ♦ Basal Stimulation Training
- ♦ Bobath Training
- ♦ Perfetti Training
- ♦ Neurodynamics Training
- ♦ Studies in Social and Cultural Anthropology



Mr. Francisco García, Antonio

- ♦ Home Physiotherapist in Motril
- ♦ Diploma in Physiotherapy from the University of Granada
- ♦ Master's Degree in Neurophysiotherapy from the Pablo Olavide University

Mr. Lucena Calderón, Antonio

- ♦ Medical Park Rehabilitation Clinic (Bad Feilnbach)
- ♦ Occupational Therapist

Ms. Alba Soto, Alicia

- ♦ Neurological Physiotherapist FISUN Physiotherapy Center

Ms. Arjona, María del Rocío

- ♦ Speech Therapist in San Juan de Dios Hospital, Seville

Mr. Crespillo, Víctor

- ♦ Psychologist
- ♦ Domus vi sad Sevilla

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Our teaching team will provide you with all their knowledge so that you are up to date with the latest information on the subject”

04

Structure and Content

A tailor-made program that is taught in a 100% online format, so you can choose the time and place that best suits your availability, schedule and interests

Throughout this specialization you will go through a complete and well-structured syllabus that will allow you to know each and every one of the essential aspects for your work. A stimulating experience that will lay the foundation for your success





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A complete syllabus that will lead you to acquire the essential knowledge in this complex area of professional development"

Module 1. Multidisciplinary Intervention in ABI

- 1.1. Physiotherapy
 - 1.1.1. Ease of Movement
 - 1.1.2. Cognitive Therapeutic Exercise
 - 1.1.3. Neurodynamics
 - 1.1.4. Mirror Therapy
 - 1.1.5. Approach in Context
 - 1.1.6. Approach Oriented to the Task
 - 1.1.7. Intensive Treatment
 - 1.1.8. Constraint Induced Movement Therapy
 - 1.1.9. Dry Needling for Spasticity
 - 1.1.10. Therapeutic Exercise
 - 1.1.11. Hydrotherapy
 - 1.1.12. Electrotherapy
 - 1.1.13. Robotics and Virtual Reality





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A unique, key, and decisive master's degree experience to boost your professional development”

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



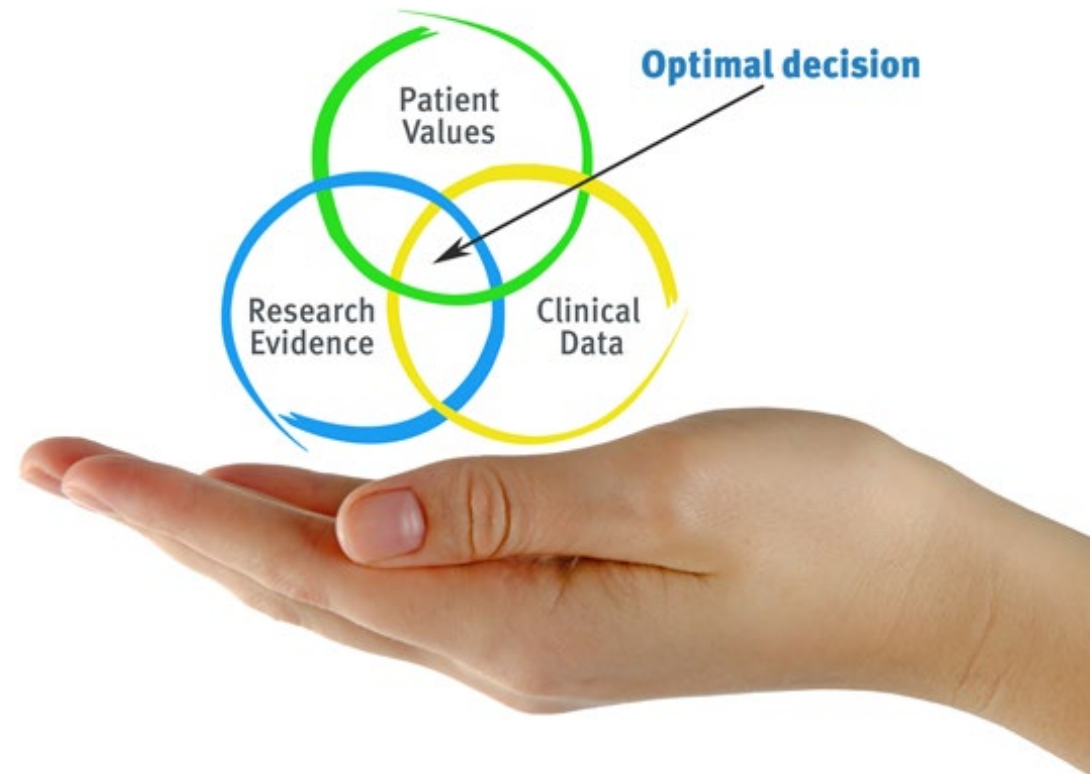
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

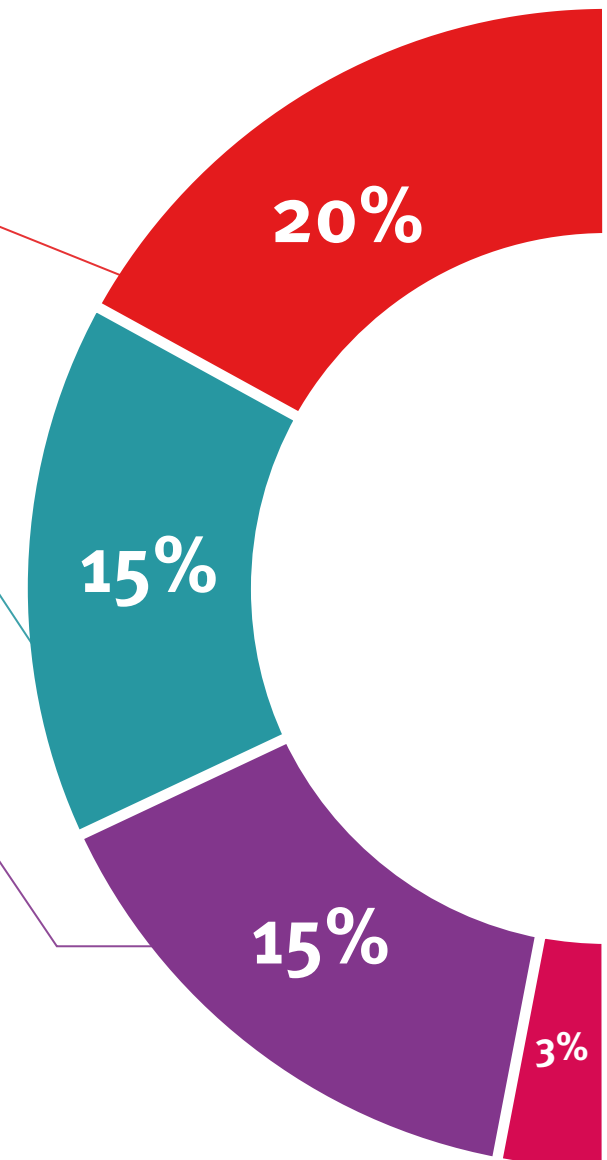
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

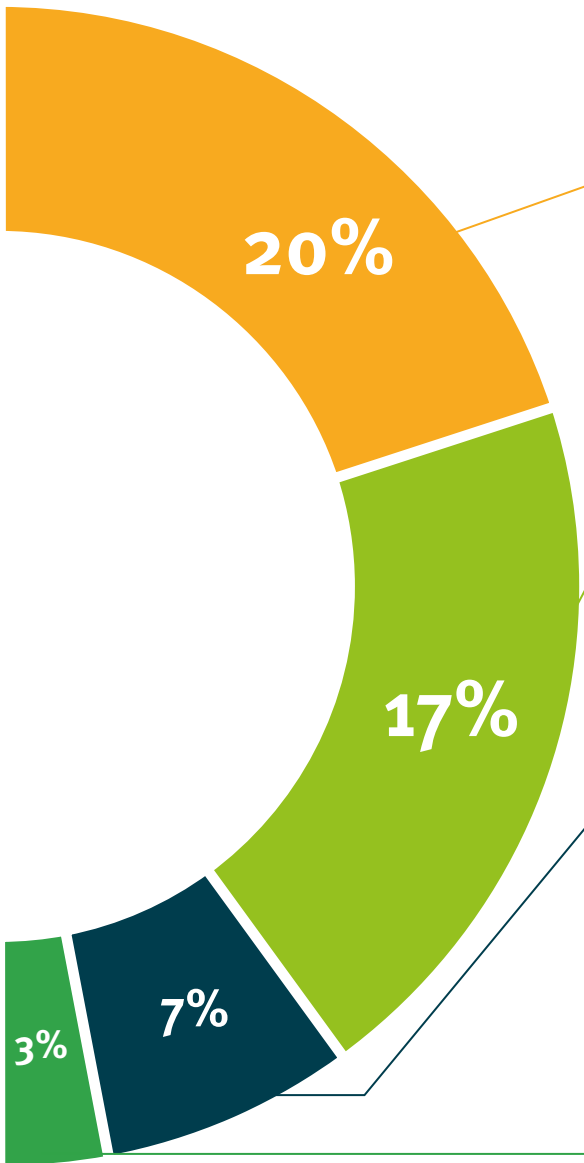
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



06 Certificate

The Postgraduate Certificate in Acquired Brain Injury Intervention for Rehabilitation Physicians guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This **Postgraduate Certificate in Acquired Brain Injury Intervention for Rehabilitation Physicians** contains the most complete and up-to-date scientific program on the market.

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

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Acquired Brain Injury Intervention for Rehabilitation Physicians**

Official N° of Hours: **200 h.**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

health future
confidence people
education information tutors
guarantee accreditation teaching
institutions technology learning
community commitment
personalized service innovation
knowledge present
development language
virtual classroom



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