

Postgraduate Certificate

Principles of Brain Injury



Postgraduate Certificate Principles of Brain Injury

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

Website: www.techtitute.com/us/medicine/postgraduate-certificate/principles-brain-injury

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01

Introduction

People who have suffered severe brain damage have seen how this impacts their quality of life, affecting perception, communication, or producing physical, cognitive, and emotional alterations. Comprehensive study has led to advances in prevention, diagnosis and the most effective treatment methods for each case. Progress that requires highly qualified professionals who are constantly updated in this area. This program, taught exclusively online, was created to respond to medical personnel who want to be up-to-date with the latest scientific news on brain damage, without neglecting other areas of their work or personal life.





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Brain damage dominates world mortality figures. Delve deeper into each type with this Postgraduate Certificate”

The figures provided by the World Health Organization are not encouraging with respect to stroke, since it continues to be the second leading cause of death in the world, although it is true, the percentage is reduced in rich countries. In addition, other brain damage such as heart attacks or embolisms are among the most frequent. In a scenario where the probability of finding a patient with this type of stroke is high, constant updating is necessary of the medical professional.

This Postgraduate Certificate in Principles of Brain Injury responds to professionals who want to be aware of the latest scientific studies in this area and the advances made in recent years. Through an exhaustive syllabus facilitated by a specialized teaching team, the professional will delve into the different disorders that can affect the brain, their characteristics and most frequent symptoms.

In addition, thanks to the latest technology applied to education, students will have access to innovative multimedia content and real clinical cases that will be very useful in updating knowledge and its direct application in their daily practice. An excellent opportunity offered by TECH in all its degrees to medical professionals wishing to immerse themselves in an advanced degree in a comfortable way.

To access the entire syllabus, where and when you want, you will just need a laptop, *Tablet* or mobile phone with an Internet connection. In addition, the *Relearning* system will allow you to progress in this online program in a more natural and agile way, even reducing the long hours of study that are invested in other teaching methods.

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

- ◆ The development of practical cases presented by experts in Psychology and Neurology
- ◆ 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
- ◆ Practical exercises where the self-assessment process can be carried out to improve learning
- ◆ Emphasis on innovative methodologies
- ◆ Theoretical lessons, questions for 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



The Relearning system will allow you to progress this university education in a more natural and agile way”

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Delve into epileptic disorders and disorders related to pathological aging from your computer or tablet”

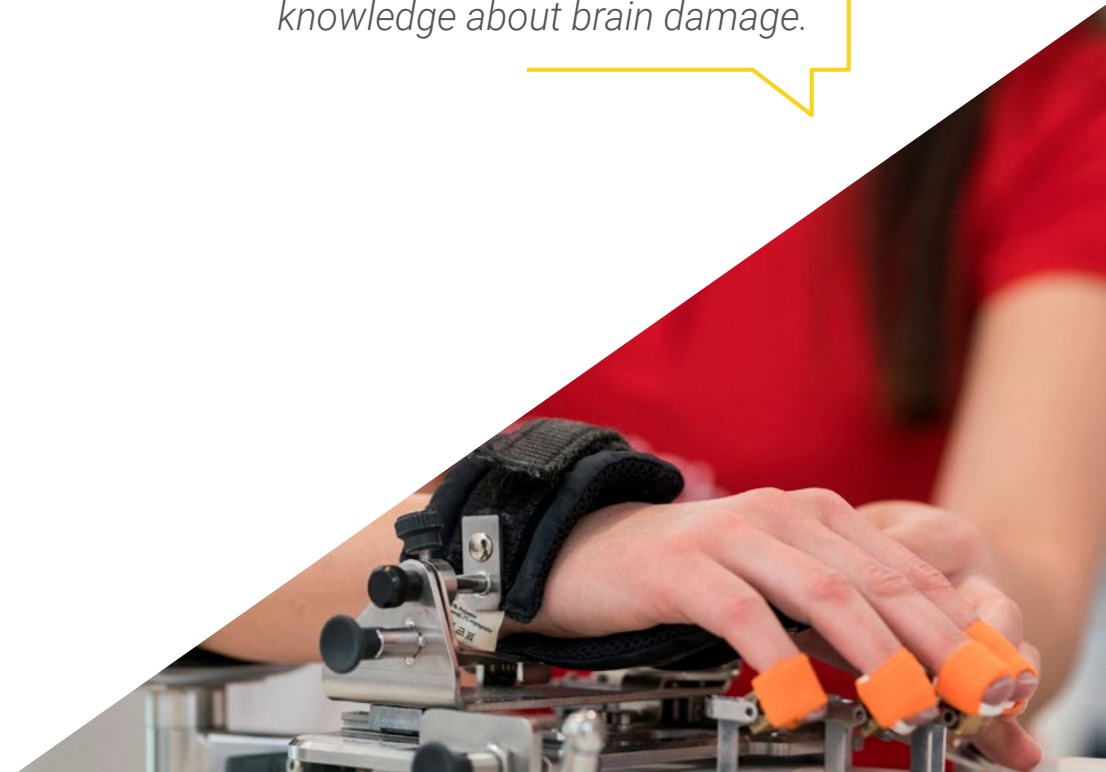
The program’s teaching staff includes professionals from sector who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersive education designed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve different professional practice situations that are presented throughout the academic course. For this purpose, students will be assisted by an innovative interactive video system developed by renowned experts.

Update your knowledge about patients who have suffered disorders due to early brain injuries and that affect their daily life.

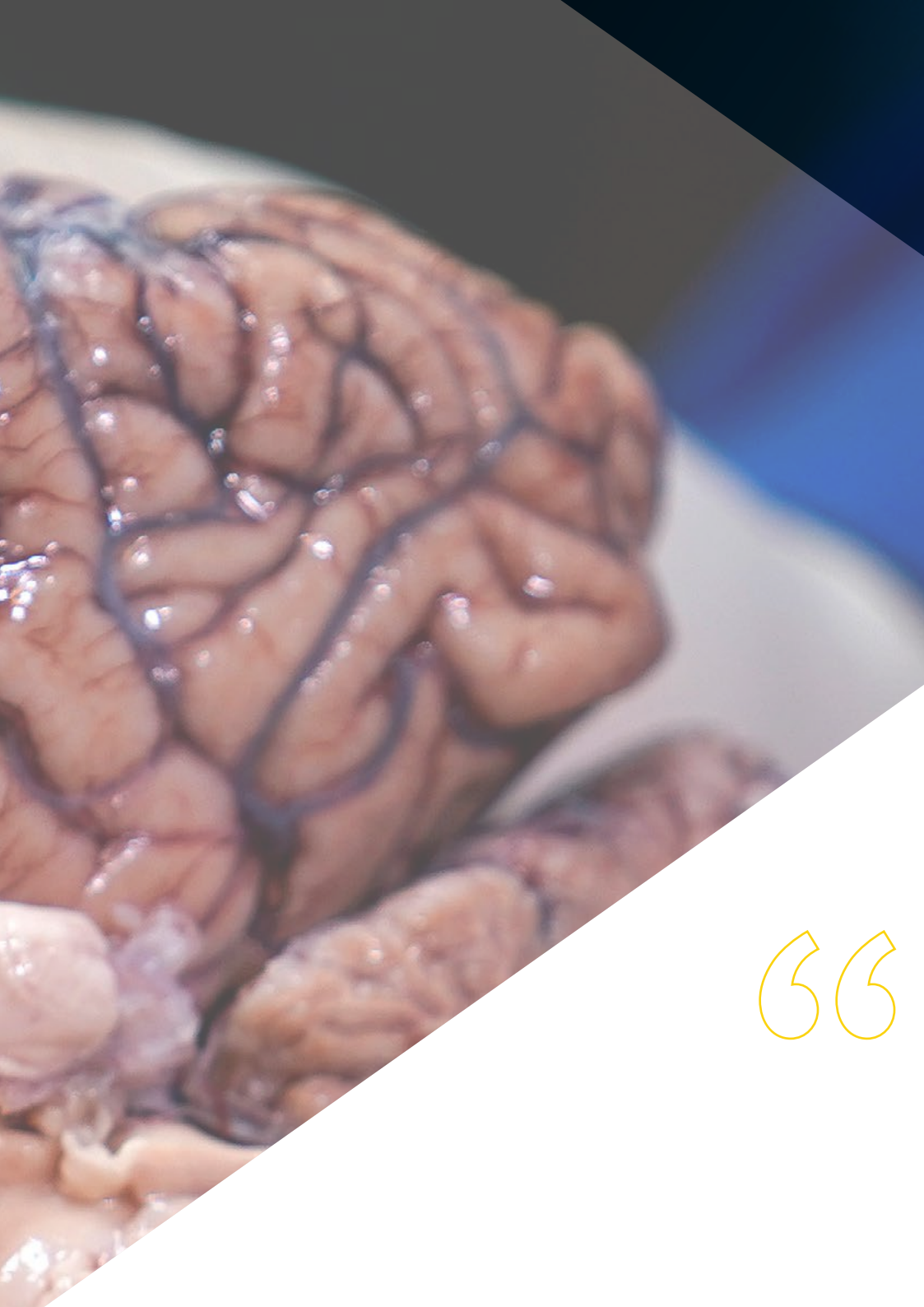
An educational option that gives you the opportunity to comfortably recycle your knowledge about brain damage.



02 Objectives

This Postgraduate Certificate has been designed and prepared to be able to provide the most detailed and complete knowledge on brain damage to the professional of medicine . This will allow students to conclude this program knowing what you are looking for about the different types of brain damage and related disorders. All this, thanks to the specialized teaching team and extensive professional experience imparted by this academic degree.





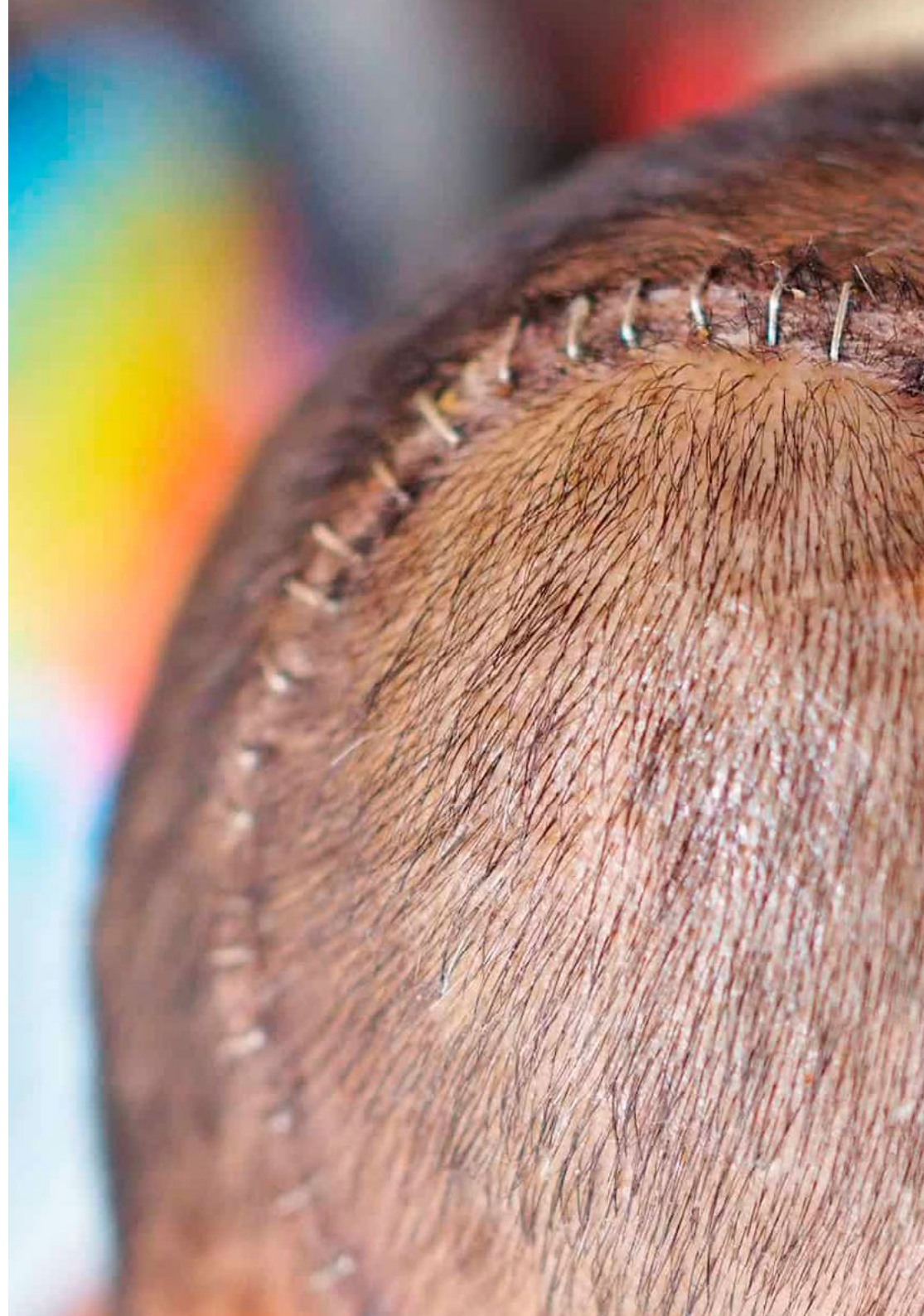
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Whatever your main objective is, with this Postgraduate Certificate you will achieve it with total guarantee, as well as your highest expectations"



General Objectives

- ◆ Provide the graduate with the latest educational tools that will allow them to know in detail the latest developments related to Principles of Brain Injury
- ◆ Improve their professional competencies and skills through the practical resolution of real clinical cases taken from the practices of practicing professionals





Specific Objectives

- ◆ Know and contextualize the basics of brain injury
- ◆ Know and differentiate between the different types of brain injury
- ◆ Learn the different disorders derived from brain injury

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You will be able to perfect your knowledge about the different types of brain damage through a program taught exclusively online”

03

Course Management

TECH is continually committed to academic excellence. For this reason, each of its programs has teaching teams of the highest reputation. These experts have extensive experience in their professional fields and, at the same time, have achieved significant results with their empirical research and fieldwork. In addition, these specialists play a leading role within the university qualification, as they are in charge of selecting the most up-to-date and innovative content to be included in the syllabus. In addition, they participate in the elaboration of numerous multimedia resources of high pedagogical rigor.



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This academic itinerary is exclusive to TECH and you will be able to develop it at your own pace thanks to its 100% online Relearning methodology”

International guest conductor

Dr. Steven P. Woods is a leading neuropsychologist, internationally recognized for his outstanding contributions to improving clinical detection, prediction and treatment of real-world health outcomes in diverse neuropsychological populations. He has forged an exceptional career path, which has led him to publish over 300 articles and serve on editorial boards in 5 major Clinical Neuropsychology journals.

His excellent scientific and clinical work focuses primarily on the ways in which cognition can hinder and support daily activities, health and well-being in adults with chronic medical conditions. Other areas of scientific relevance, for this expert, also include health literacy, apathy, intra-individual variability and internet navigation skills. His research projects are funded by the National Institute of Mental Health (NIMH) and the National Institute on Drug Abuse (NIDA).

In this regard, Dr. Woods' research approach explores the application of theoretical models to elucidate the role of neurocognitive deficits (e.g., memory) in everyday functioning and health literacy in people affected by HIV and aging. In this way, his interest focuses, for example, on how people's ability to "Remember to Remember", the so-called prospective memory, influences health-related behaviors, such as medication adherence. This multidisciplinary approach is reflected in his groundbreaking research, available on Google Scholar and ResearchGate.

He has also founded the Clinical Neuropsychology Service at Thomas Street Health Center, where he holds a senior position as Director. Here, Dr. Woods provides Clinical Neuropsychology services to people affected by HIV, providing critical support to communities in need and reaffirming his commitment to the practical application of his research to improve lives.



Dr. Woods, Steven P

- Founder and Director of the Clinical Neuropsychology Service at the Thomas Street Health Center
- Collaborator in the Department of Psychology, University of Houston
- Associate Editor at Neuropsychology and The Clinical Neuropsychologist
- Ph.D. in Clinical Psychology, with a specialization in Neuropsychology, Norfolk State University
- B.S. in Psychology, Portland State University
- Member of:
 - National Academy of Neuropsychology
 - American Psychological Association (Division 40, Society for Clinical Neuropsychology)

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Thanks to TECH, you will be able to learn with the best professionals in the world”

04

Structure and Content

The study plan for this Postgraduate Certificate has been prepared by a teaching team, which has invested hours in its preparation with the sole objective of offering students the most up-to-date and innovative content. Therefore, students will find in this Diploma multimedia content that will take them throughout the 150 class hours for neuropsychological disorders, disorders due to early brain lesions, cerebral vascular disorders or brain tumors.. In addition, students will be able to expand the information through complementary teaching material.





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You will have multimedia content at your disposal that will facilitate the renewal of knowledge in a more dynamic and visual way”

Module 1. Brain Injury

- 1.1. Neuropsychological and Behavior Disorders of Genetic Origin
 - 1.1.1. Introduction
 - 1.1.2. Genes, Chromosomes and Hereditary
 - 1.1.3. Genes and Behavior
- 1.2. Early Brain Injury Disorder
 - 1.2.1. Introduction
 - 1.2.2. The Brain in Early Childhood
 - 1.2.3. Pediatric Cerebral Palsy
 - 1.2.4. Psychosyndromes
 - 1.2.5. Learning Disorders
 - 1.2.6. Neurobiological Disorders that Affect Learning
- 1.3. Vascular Brain Disorders
 - 1.3.1. Introduction to Cerebrovascular Disorders
 - 1.3.2. Most Common Types
 - 1.3.3. Characteristics and Symptomology
- 1.4. Brain Tumors
 - 1.4.1. Introduction to Brain Tumors
 - 1.4.2. Most Common Types
 - 1.4.3. Characteristics and Symptomology
- 1.5. Cranioencephalic Traumas
 - 1.5.1. Introduction to Trauma
 - 1.5.2. Most Common Types
 - 1.5.3. Characteristics and Symptomology
- 1.6. Infections of the CNS
 - 1.6.1. Introduction the CNS Infections
 - 1.6.2. Most Common Types
 - 1.6.3. Characteristics and Symptomology





- 1.7. Epileptic Disorders
 - 1.7.1. Introduction to Epileptic Disorders
 - 1.7.2. Most Common Types
 - 1.7.3. Characteristics and Symptomology
- 1.8. Alterations in the Level of Consciousness
 - 1.8.1. Introduction to Altered Levels of Consciousness
 - 1.8.2. Most Common Types
 - 1.8.3. Characteristics and Symptomology
- 1.9. Acquired Brain Injury
 - 1.9.1. Concept of Acquired Brain Injury
 - 1.9.2. Most Common Types
 - 1.9.3. Characteristics and Symptomology
- 1.10. Disorders Related to Pathological Ageing
 - 1.10.1. Introduction
 - 1.10.2. Psychological Disorders Related to Pathological Ageing

“*TECH provides you with an intensive Postgraduate Certificate where you can delve into acquired brain damage and the different disorders that affect the brain*”

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.

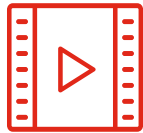
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

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

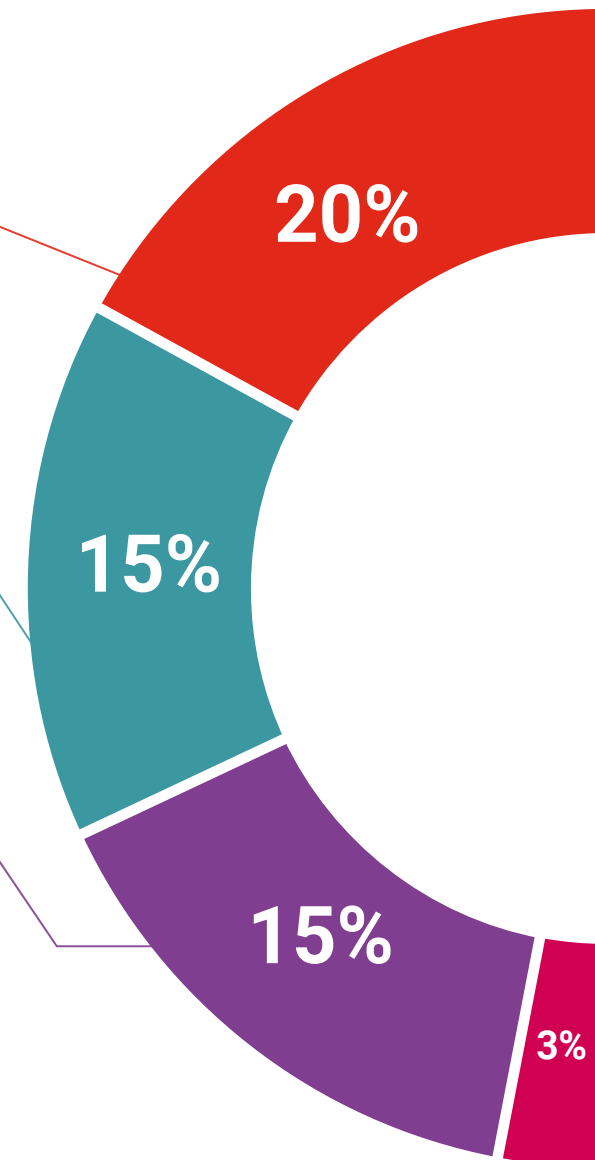
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

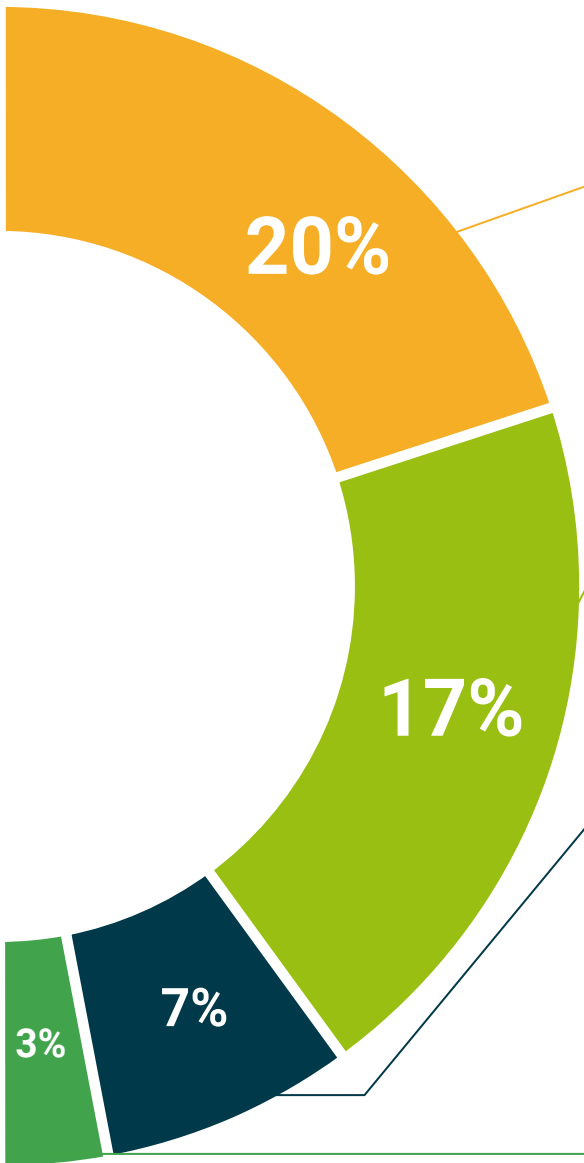
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 Principles of Brain Injury 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”

Este **Postgraduate Certificate in Principles of Brain Injury** 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 Principles of Brain Injury**

Official N° of Hours: **150 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.

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

tech technological
university

personalized service innovation

knowledge present

online training

development languages

virtual classroom

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