

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.techtute.com/in/nursing/postgraduate-certificate/principles-brain-injury

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01

Introduction

Brain damage is a condition that causes irreversible damage to the neuronal health of those who suffer from it, but also has consequences in their most immediate environment. These pathologies can appear from an early age, affecting perception and communication and even physical, cognitive and emotional alterations. Therefore, it is essential to study their origins and most common symptomatology, in order to be able to foresee them at an early stage. TECH offers a rigorous and complete program for graduates in Nursing to delve into this health branch. It is a 100% online program, with which graduates will be able to get up to date on the latest developments related to this field in just 6 weeks and with the personalized supervision of a teaching team made up of experts in Neurology.



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Get a higher degree of specialization thanks to this Postgraduate Certificate that will bring you up to date on brain damage in only 6 weeks"

The deterioration that occurs in neuronal capacities in the period of old age is not the only cause of cerebral affection. These diseases can result from bad habits, traffic accidents or be caused by strokes or embolisms, which are cerebral infarctions. It is, therefore, a problem that often carries with it serious sequelae, which can vary in their degree and their representation depending on the person and their clinical case.

In this sense, the role of the specialist is key, as they intervene directly in the rehabilitation processes and can influence the well-being of the affected person. TECH offers a Postgraduate Certificate in Principles of Brain Injury suitable for the most demanding specialists in the health branch. In this way, the nurse will delve into the different disorders that affect the brain region, as well as their characteristics and symptomatology.

In this way, graduates in Nursing will be able to learn in depth the latest scientific evidence in the field of Neurology and optimize clinical service. Likewise, students will have all the facilities to follow the course easily and progressively through a 100% online modality. In addition, the program offers downloadable audiovisual content that makes it possible to study at any time and place, adapting to the personal and professional needs of specialists.

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 Nursing 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 self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ 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



A program that gives you the opportunity to delve into the Principles of Brain Injury from wherever you want and without fixed schedules"

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Join a program that will educate you on neuropsychological and behavioral disorders of genetic origin to streamline your ability to act in the clinical setting"

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

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

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

A perfect opportunity to perfect your skills in the management of patients suffering from early brain injury disorders that affect learning.

Explore cerebral vascular disorders, as well as the most common types and the approach methodologies best suited to this type of patient.



02

Objectives

This Postgraduate Certificate in Principles of Brain Injury aims to focus nurses on the most recent research in neuronal damage in the field of neurological pathologies. With it, the user will be able to investigate cranioencephalic trauma, infections of the nervous system, epileptic disorders and their symptomatology, among other aspects. All this, so that nurses can offer optimal healthcare, as well as the appropriate information to each patient.





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Continue your work of constant updating in the Principles of Brain Injury through the analysis of cerebrovascular disorders, their typologies and most common symptoms”



General Objectives

- Provide graduates with the latest teaching tools that will allow them to know in detail the latest developments related to the 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 principles of brain injury
- Get to know and differentiate between the different types of brain injury
- Learn the different disorders derived from brain injury

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Achieve your most demanding goals with rigorous, technical instruction in the development of psychosyndromes to care for young, middle-aged and elderly patients”

03

Structure and Content

The design of this Postgraduate Certificate has been guided by the teaching team, which has not only worked on the syllabus, but also on the hours of additional material that graduates will find in the Virtual Classroom. TECH has been equipped with the latest teaching tools, such as the Relearning methodology, so that students can progressively follow the subject matter and dispense with long hours of memorizing content. In addition, the program has a 100% online mode and downloadable audiovisual content, which will allow the materials to be available even once the qualification has been obtained.





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A Postgraduate Certificate with which you will be able to broaden your knowledge of possible early injuries in early childhood and their consequences”

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



A program designed for healthcare professionals like you, who wish to update their knowledge of psychological disorders associated with pathological aging"

04

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 Nursing School we use the Case Method

In a given situation, what should a professional do? 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. Nurses learn better, faster, and more sustainably over time.

With TECH, nurses can experience a learning methodology 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, in an attempt to recreate the real conditions in professional nursing 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. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
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 case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.



The nurse will learn through real cases and by solving 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 we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. 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 really 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.



Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, 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 them as many times as you want.



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 suggesting that observing third-party experts can be useful.

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.



05

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"

This **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 certificate 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 certificate 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
personalized service innovation
knowledge present
development language
virtual classroom



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