Postgraduate Certificate
Neurodegenerative Diseases

tech technological university

Postgraduate Certificate
Neurodegenerative Diseases

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

Website: **www.techtitute.com/in/medicine/postgraduate-certificate/neurodegenerative-diseases**

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01
Introduction

Scientific studies that have addressed Alzheimer's disease, Parkinson's disease, ALS or multiple sclerosis have sometimes achieved a notable improvement in their prevention, but above all in the knowledge of their diagnosis and treatment, improving the quality of life of the patient. The frequency with which staff doctor meets patients suffering from these types of health problems, requires constant updating by professionals. In this scenario, this program taught exclusively online by a specialized teaching team with a long professional career in care people with neurodegenerative diseases was created.

An intensive and multidisciplinary Postgraduate Certificate, with the most up-to-date content in Neurodegenerative Diseases"

Today there are numerous therapeutic strategies and techniques that help patients with neurodegenerative diseases, which has a considerable impact on t these people's life quality. However, there is still a wide field of study focused on the diagnosis, evaluation and understanding of the origin of these health problems. This Postgraduate Certificate offers the medical professional an update of knowledge through innovative multimedia content prepared by a teaching team specialized in this field.

A program that delves into brain cognitive impairment associated with different added complexities. Across 150 teaching hours, professionals will obtain renewed knowledge about multiple sclerosis, amyotrophic lateral sclerosis, Parkinson's disease or Huntington's disease from this program- All this, with educational content based on video summaries, detailed videos or interactive diagrams that will give dynamism to this Postgraduate Certificate. In addition, this program has simulations of clinical cases that will bring the medical professional closer to situations that you will be able to experience with patients in your regular practice.

A university program with which professionals will be able to be aware of the most recent advances in neurodegenerative diseases through a theoretical-practical approach and a Relearning, system that will allow them to reduce the long hours of study, more frequent in other teaching methodologies.

Therefore, TECH offers a 100% online program, in which professionals will achieve an update comfortably and during 6 months. This is due to the possibility of accessing from and when you want, with just an electronic device, to all the agenda that makes up this degree. A program, in which students will also be able to distribute the study load according to their needs, allowing them to reconcile their professional and/or work responsibilities. with a program that is at the educational forefront.

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

- Practical cases presented by experts in Psychology
- 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
- Its special 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

If you are looking to update yourself on neurodegenerative diseases, TECH Technological University offers you the opportunity what were you looking for"

" *You are facing a university program that provides you with the most noticeable advances in the evaluation of patients with ALS"*

An intensive program in which you will delve into the diagnosis of Alzheimer's or Parkinson's disease.

The multimedia resource library is available 24 hours a day. Access it wherever and whenever you wish.

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, the student will be assisted by an innovative interactive video system created by renowned experts.

02
Objectives

TECH provides all the necessary didactic tools for medical professionals to achieve the update of knowledge in neurodegenerative diseases that they are looking for. By the end of this Postgraduate Certificate, students will be able to delve into studies and research that address the characteristics, symptoms, diagnosis and evaluation of patients with this type of disease. The specialized teachers who teach this online program will contribute their experience in this field, so that professionals achieve their goals.

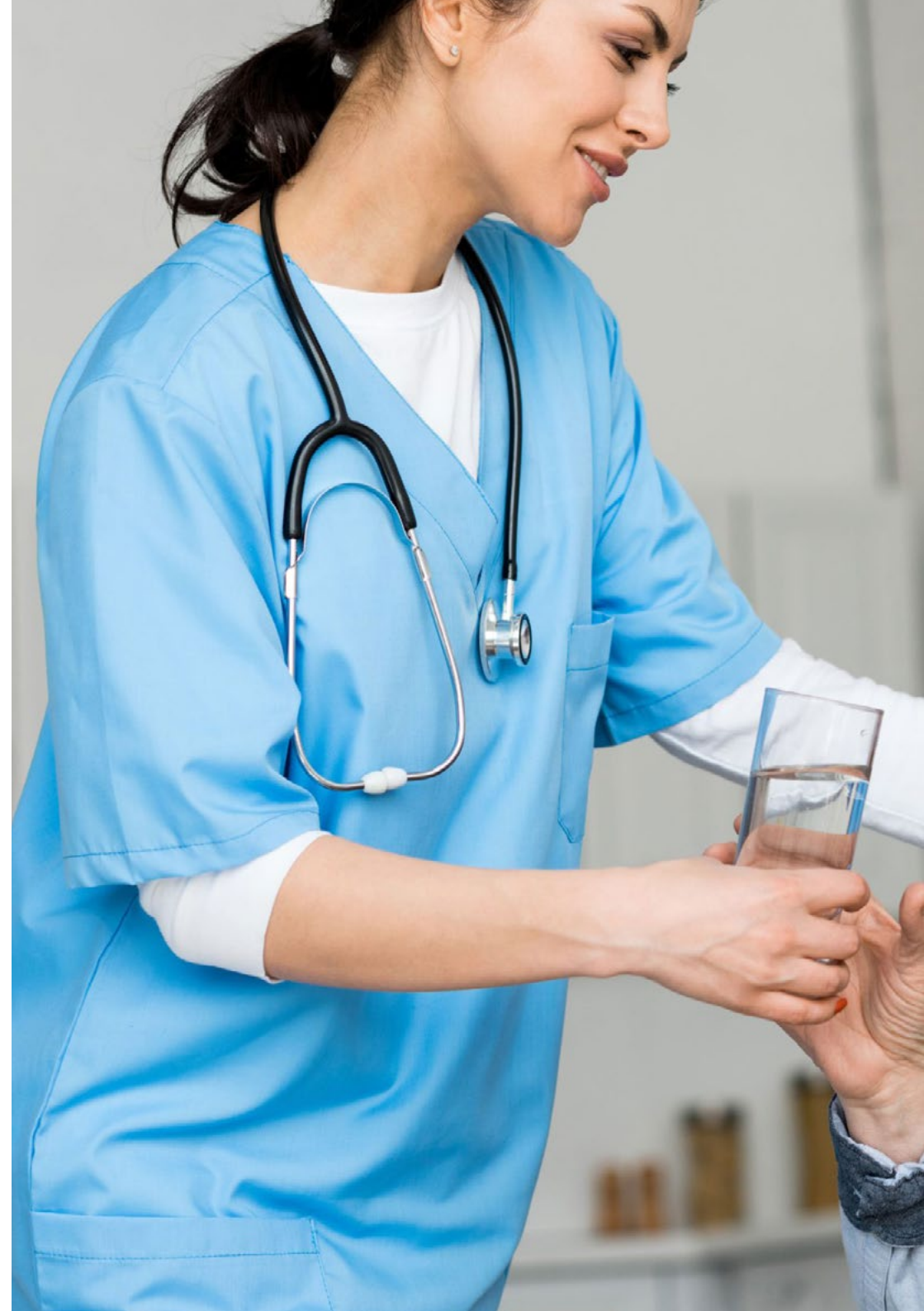*A university education that gives you the opportunity to update your knowledge about Huntington's disease"*

General Objectives

- Know in detail the psychological tools of diagnosis that are currently obtaining the best results
- Develop a broad and up-to-date knowledge of the different Neurodegenerative Diseases

" *An ideal educational option to delve into the studies that cover the most frequent neurodegenerative diseases in the population"*

Specific Objectives

♦ Learn about the principles of neurodegenerative diseases

♦ Differentiate between and contextualize the different neurodegenerative diseases

♦ Know the different types of dementia and learn how to differentiate between them

03
Structure and Content

The study plan of this Postgraduate Certificate consists of 150 teaching hours where the professional can delve into neurodegenerative diseases through an exhaustive syllabus with educational material that uses the most innovative technology in the educational field. In this way, students will immerse themselves in the cognitive processes in normal aging, the characteristics, symptoms, evaluation and diagnosis of the main diseases that affect the neuronal system. Likewise, professionals will have additional material that will allow them to further extend the knowledge provided in this degree.
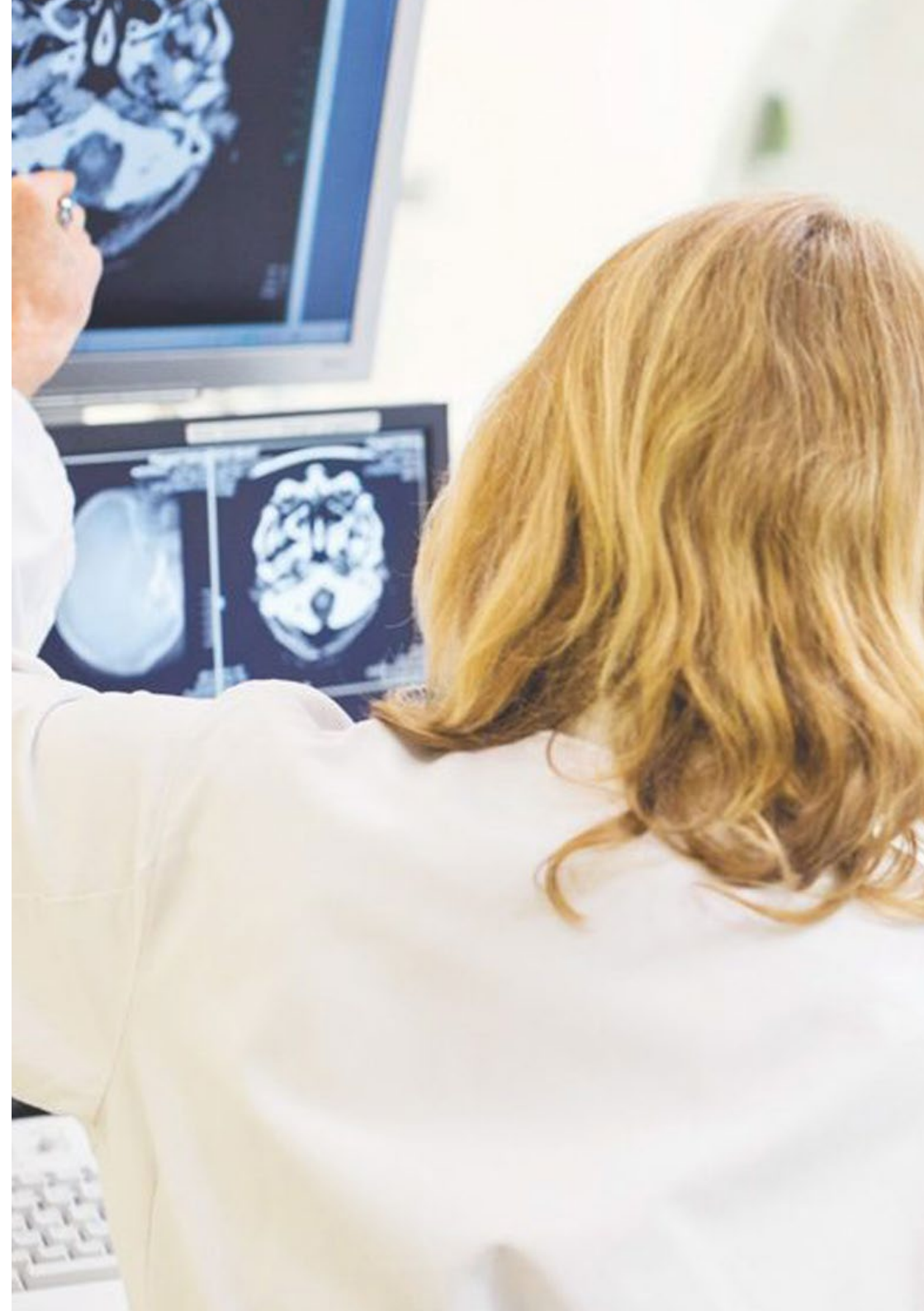
A flexible university program, which adapts to the professional who wishes to pursue quality education while making it compatible with their personal life"

Module 1. Neurodegenerative Diseases

1.1.   Normal Aging
    1.1.1.   Basic Cognitive Processes in Normal Aging
    1.1.2.   Superior Cognitive Processes in Normal Aging
    1.1.3.   Attention and Memory in Elderly People with Normal Aging

1.2.   Cognitive Reserve and its Importance in Aging
    1.2.1.   Cognitive Reserve: Definition and Basic Concepts
    1.2.2.   Functionality of Cognitive Reserve
    1.2.3.   Influencing Variables in Cognitive Reserve
    1.2.4.   Interventions Based on Improving Cognitive Reserve in the Elderly

1.3.   Multiple Sclerosis
    1.3.1.   Concepts and Biological Foundations of Multiple Sclerosis
    1.3.2.   Characteristics and Symptomology
    1.3.3.   Patient Profile
    1.3.4.   Assessment and Diagnosis

1.4.   Amyotrophic Lateral Sclerosis
    1.4.1.   Concepts and Biological Foundations of Amyotrophic Lateral Sclerosis (ALS)
    1.4.2.   Characteristics and Symptomology
    1.4.3.   Patient Profile
    1.4.4.   Assessment and Diagnosis

1.5.   Parkinson's Disease
    1.5.1.   Concepts and Biological Foundations of Parkinson's Disease
    1.5.2.   Characteristics and Symptomology
    1.5.3.   Patient Profile
    1.5.4.   Assessment and Diagnosis

1.6.   Huntington's Disease
    1.6.1.   Concepts and Biological Foundations of Huntington's Disease
    1.6.2.   Characteristics and Symptomology
    1.6.3.   Patient Profile
    1.6.4.   Assessment and Diagnosis

A university program designed for professionals who wish to improve their knowledge about the types of dementia that most affect the population"

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.

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.

"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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.

20%

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.

15%

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".

15%

3%

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.

20%

17%

7%

3%

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.

05
Certificate

The Postgraduate Certificate in Neurodegenerative Diseases guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

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

This **Postgraduate Certificate in Neurodegenerative Diseases** contains the most complete and up-to-date scientific program on the market.

After the students 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 Neurodegenerative Diseases**

Official Nº of Hours: **150 h.**

tech technological university

Awards the following
CERTIFICATE
to
Mr./Ms. _____, with identification number _____.
For having passed and accredited the following program

POSTGRADUATE CERTIFICATE
in
Neurodegenerative Diseases

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*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.

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