Postgraduate Certificate

Multiple Sclerosis and CNS Autoimmune Diseases for Nursing

tech global university

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Postgraduate Certificate

Multiple sclerosis and autoimmune CNS diseases for Nursing

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Global University**
- Accreditation: **6 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/nursing/postgraduate-certificate/multiple-sclerosis-autoinmmune-cns-diseases-nursing**

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01

Introduction

Nursing care of neurological patients with CNS autoimmune diseases and Multiple Sclerosis is one of the most required care for nurses in their daily practice, making a program such as this one essential for health care professionals. Thus, this curriculum proposes theoretical and practical knowledge on pathophysiology, medical-surgical care and training on nursing methodology for neurological patients, specific care that favors the quality of the nursing professional's work and improves satisfaction in people who require specialized care due to cognitive impairment, which results in greater dependence. Therefore, this program addresses the different demyelinating pathologies that are the leading cause of non-traumatic disability in young adults.

Learn the latest treatments used by nurses in Multiple Sclerosis and other demyelinating diseases, improving the quality of life of patients"

This TECH Global University program will review and study the different demyelinating pathologies, especially MuSclerosis, since it is the leading cause of non-traumatic disability in young adults, causing physical and cognitive disability, with a high impact on quality of life.

According to the SEN (Spanish Society of Neurology), in 2020 there will be more than 50,000 people affected by Multiple Sclerosis. This figure has increased progressively in recent decades, especially affecting women.

Therefore, the most updated treatments will be learned, since during the last years there has been an improvement of these, influencing the evolution of the disease, increasing the effectiveness and comfort of these treatments. As with the rest of the neurological pathologies, this program stresses that early evaluation and diagnosis is essential to improve prognosis and that adherence to treatment is fundamental for this, with nursing playing a key role.

Finally, the most updated treatments and specific nursing care in demyelinating diseases are defined, in such a way that this knowledge is integrated to be able to perform a specific assessment by functional patterns and diagnose according to NANDA taxonomy, planning outcome criteria based on NOC taxonomy and nursing interventions in accordance with NIC taxonomy.

In addition, as it is a 100% online program, it provides the student with the ease of being able to study it comfortably, wherever and whenever they want. All you need is a device with internet access to take your career one step further. A modality according to the current times with all the guarantees to position the nurse in a highly demanded area.

This **Postgraduate Certificate in Multiple Sclerosis, Epilepsy and SNC Disorders for Nurses** contains the most complete and up-to-date curriculum on the market. The most important features of the program include:

- Development of more than 100 case studies presented by experts in neurological nursing
- Its graphic, schematic and eminently practical contents, which are designed to provide essential scientific and assistance information for professional practice.
- Latest developments in neurological nursing
- Contains practical exercises
- Theoretical lessons, questions to the expert and clinical cases for individual reflection
- Content that is accessible from any fixed or portable device with an Internet connection
- Multimedia content developed with the latest educational technology, which will allow the professional a situated and contextual learning, i.e. a simulated environment that will provide an immersive learning programmed to train in real situations

You will understand why early evaluation and diagnosis is essential to improve the prognosis of demyelinating diseases and that adherence to treatment is critical to achieving results"

You will perform as a specialist standardized care plans according to functional patterns, using NANDA-NIC-NOC nursing taxonomy for care planning and assessment and evaluation of care"

With this program you will acquire the necessary knowledge in physiopathology of neurological diseases such as Multiple Sclerosis, something highly demanded by experts in the sector.

Successfully integrate the knowledge provided by this program into your nursing practice and contribute to patient improvement.

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

The 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 immersive training programmed to train in real situations.

This program is designed around Problem Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.

02

Objectives

The Postgraduate Certificate in Multiple Sclerosis and Autoimmune Diseases of the CNS for Nurses is oriented to facilitate the performance of nursing personnel dedicated to the treatment and care of patients with these pathologies under the criteria that the discipline mandates. This requires a high level of competence and training to avoid possible complications and improve the level of self-care.

With this program, the nurse will be trained in the treatment required by the patients treated in this area, with rigor and professionalism, in order to achieve the following proposed objectives, distributed in general and specific, for greater satisfaction of the future graduate on the way to his or her professional goal.

Delve into this specialization and delve into the specific nursing care required for demyelinating diseases, a pathology that urgently needs experts"

General Objectives

- Learn and integrate general nursing care in the main neurological pathologies
- Perform standardized care plans, acquiring knowledge on how to perform nursing assessments according to functional patterns and use NANDA-NIC-NOC nursing taxonomy for care planning and evaluation
- Acquire knowledge and fundamentals of the pathophysiology of cerebrovascular diseases, epilepsy, movement disorders, multiple sclerosis, dementia, headache, neuromuscular diseases, neurological oncology and CNS infectious diseases and integrate them into nursing practice
- Understand the Necessary Knowledge in Physiopathology of Neurological Diseases
- To have an in-depth knowledge of the most up-to-date basic medical-surgical treatments the most up to date
- In-depth knowledge of diagnostic taxonomy to formulate nursing diagnoses, outcome criteria and nursing interventions

Specific Objectives

- know and expand knowledge in etiopathogenesis of multiple sclerosis
- Update knowledge in demyelinating diseases
- Study knowledge of autoimmune diseases CNS
- Have an in-depth knowledge of the specific nursing care of demyelinating diseases
- Integrate nursing care into daily practice by following standardized care plans according to nursing taxonomies

You will learn and expand your knowledge in etiopathogenesis of Multiple Sclerosis, which will guide you towards a quality praxis in your functions as a nurse"

03

Course Management

In its maxim of offering an elite education for all, TECH counts on renowned professionals so that the student acquires a solid knowledge in the specialty of CNS autoimmune diseases and Multiple Sclerosis focused on nursing. Therefore, this Postgraduate Certificate has a highly qualified team with extensive experience in the sector, which will offer the best tools for the student in the development of their skills during the program. In this way, the student has the guarantees required to specialize in an environment that requires precision and determination, oriented to the well-being and improvement of the patient, with full attention to their evolution.

Stand out with this TECH degree and advance in your career towards the excellence demanded by the healthcare society"

Management

D. Cano Manchón, Antonio Rafael

- Nursing Supervisor of the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- Associate Professor of the Faculty of Nursing at the Autonomous University of Madrid, belonging to the Faculty of Medicine
- Degree in Nursing

Professors

Ms. Del Río Muñoz, Beatriz

- Nurse Assistant in the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- Advanced Practice Nurse Practitioner in Multiple Sclerosis and Demyelinating Diseases Nursing Practice
- Degree in Nursing

04

Structure and Content

The structure of the contents of this program has been designed by a team of nursing professionals from a leading hospital in neurological care at all levels, aware of the relevance of the current specialization in Multiple Sclerosis and CNS Autoimmune Diseases in Nursing. Thus, they warn of the need to have nurses qualified in the treatment of these pathologies, which is why they have designed this program. Committed to quality teaching through new educational technologies, they have established a curriculum whose syllabus offers a broad perspective of the performance of the functions of the nurse in this area of health, with which you will expand your knowledge and acquire full competence for your day to day work, knowing that you also have the support of a team of experts and the guarantee of quality TECH Global University, a prestigious university team of experts and the quality guarantee of TECH, a prestigious university.

This program emphasizes the importance of having highly trained nurses specialized in the pathophysiology of Multiple Sclerosis"

Module 1. Multiple Sclerosis and Autoimmune CNS Diseases

1.1. Multiple Sclerosis
  1.1.1. Diagnosis
1.2. Multiple Sclerosis Diagnosis
1.3. Pathophysiology Multiple Sclerosis
  1.3.1. Immunology
  1.3.2. Treatment of Disease
1.4. Spectrum of Neuromyelitis Optica
1.5. Demyelinating Diseases of the CNS
1.6. CNS Manifestations in Systemic Autoimmune Diseases
1.7. Autoimmune Encephalitis
1.8. Treatments in Demyelinating and Autoimmune Diseases
  1.8.1. Pharmacological Treatments and Side Effects
  1.8.2. Non-Pharmacological Treatment
1.9. EM Nursing Care
  1.9.1. Specific Care in EM
  1.9.2. Specific Care in Demyelinating Diseases
  1.9.3. Specific Care in Autoimmune Diseases
1.10. Standardized NANDA-NIC-NOC Care Plans.
  1.10.1. Nursing Assessment by Gordon Functional Patterns
  1.10.2. Nursing Diagnoses NANDA Taxonomy
  1.10.3. Care Planning According to NIC-NOC Taxonomy

With this program you will learn the specific care in demyelinating and autoimmune diseases for a quality praxis"

05

Methodology

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

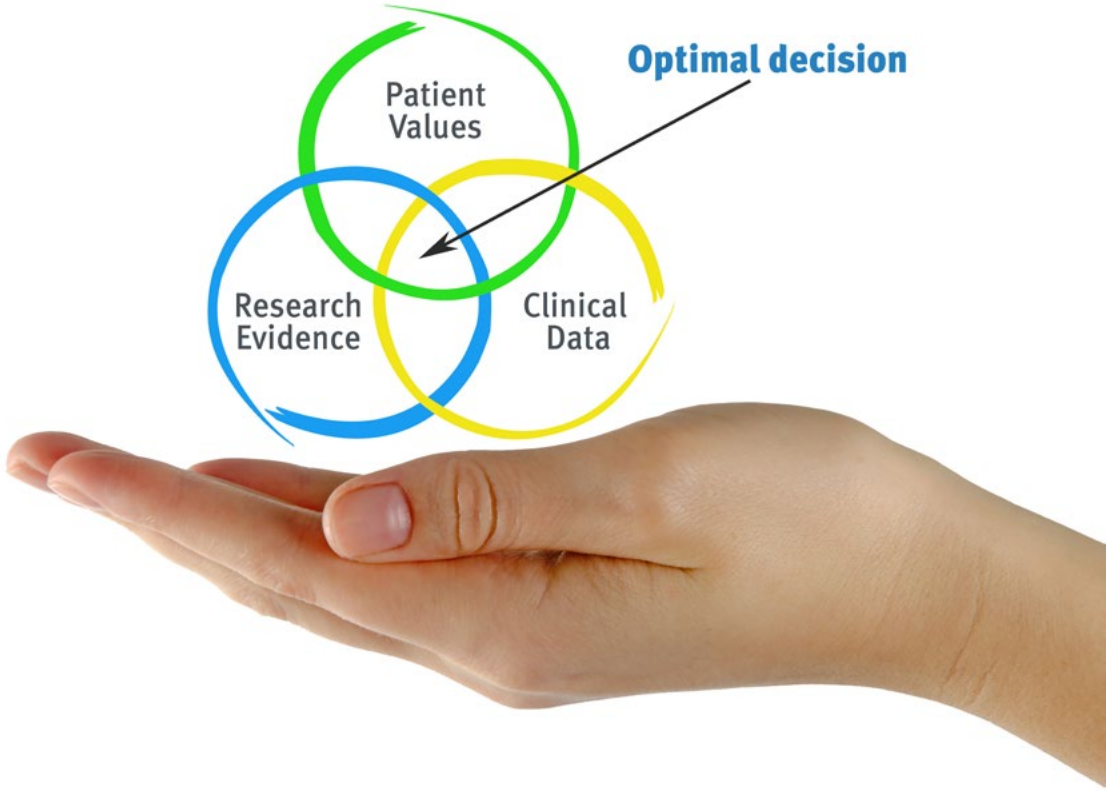
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

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 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.

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:

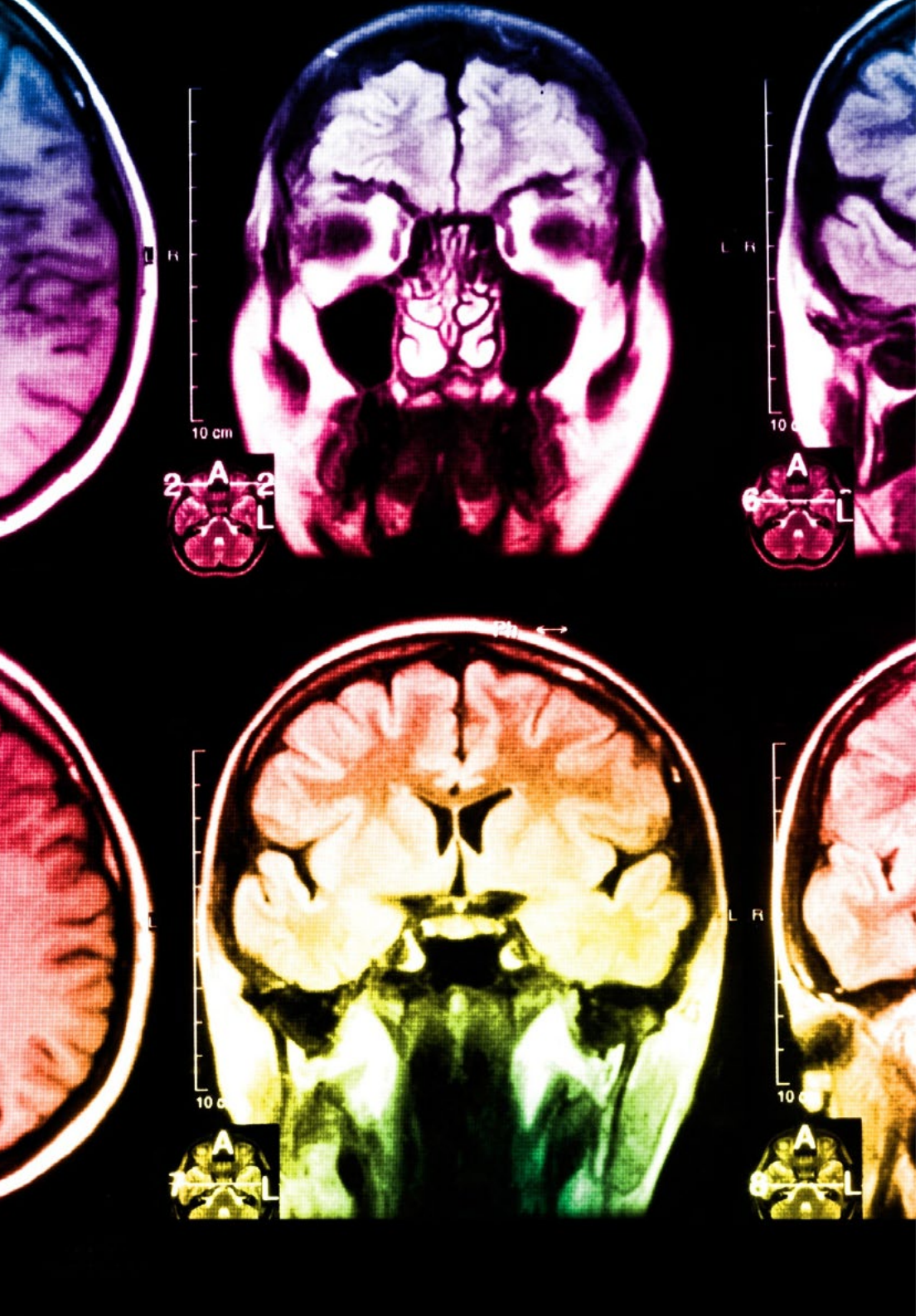
1. Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into 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 Harvard 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 high 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.

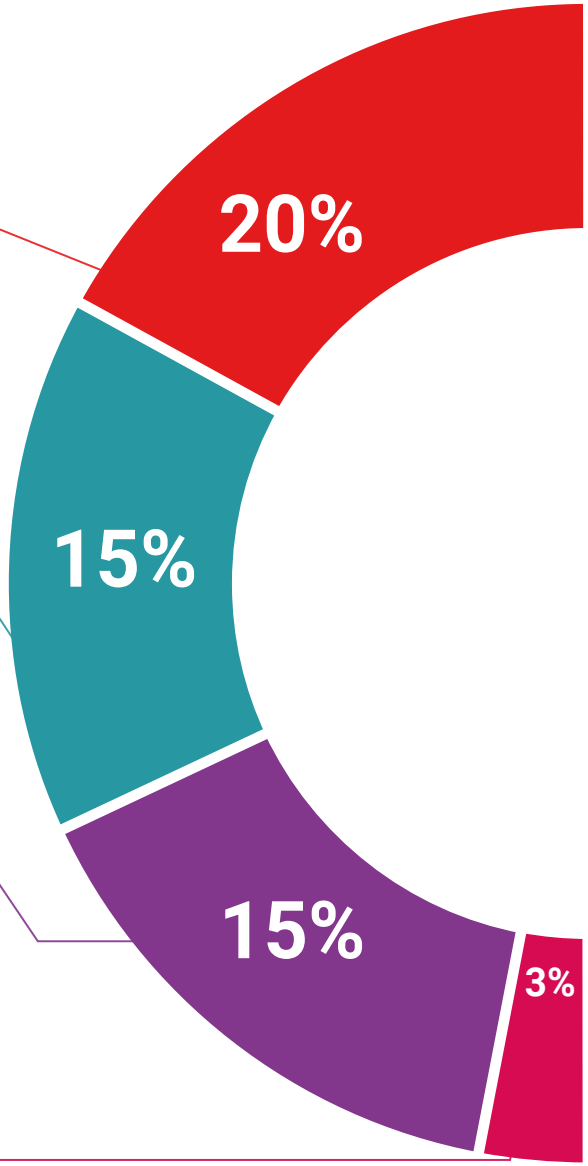
Interactive Summaries

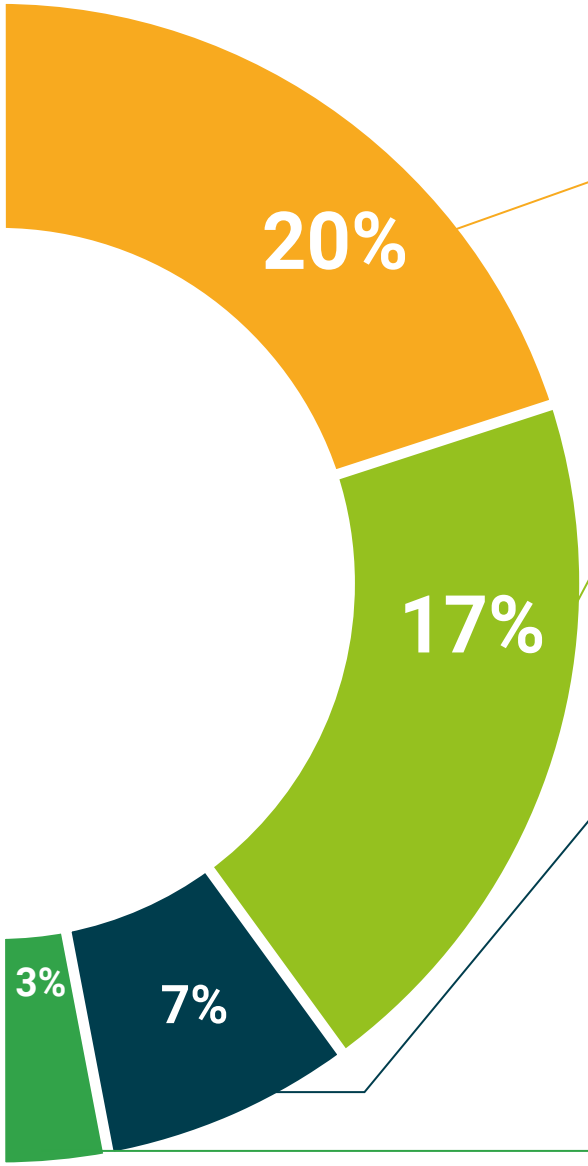
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive multimedia content presentation training Exclusive system 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

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of 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.

06

Certificate

The Postgraduate Certificate in SNC Multiple Sclerosis and Autoimmune CNS Diseases for Nurses, guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.

Successfully complete this training program and receive your university certificate without travel or laborious paperwork"

This private qualification will allow you to obtain a **Postgraduate Certificate in Multiple Sclerosis and CNS Autoimmune Diseases for Nurses** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra ***(official bulletin)***. Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Multiple Sclerosis and CNS Autoimmune Diseases for Nurses**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Multiple Sclerosis and CNS Autoimmune Diseases for Nurses

This is a private qualification of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
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 diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

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