Postgraduate Diploma
Multiple Sclerosis, Epilepsy and Mobility Disorders for Nursing

tech technological university

Postgraduate Diploma
Multiple Sclerosis, Epilepsy & Mobility Disorders for Nursing

Course Modality: **Online**

Duration: **6 months.**

Certificate: **TECH Technological University**

Official Nº of Hours: **450 h.**

Website: **www.techtitute.com/nursing/postgraduate-diploma/postgraduate-diploma-multiple-sclerosis-epilepsy-mobility-disorders-nursing**
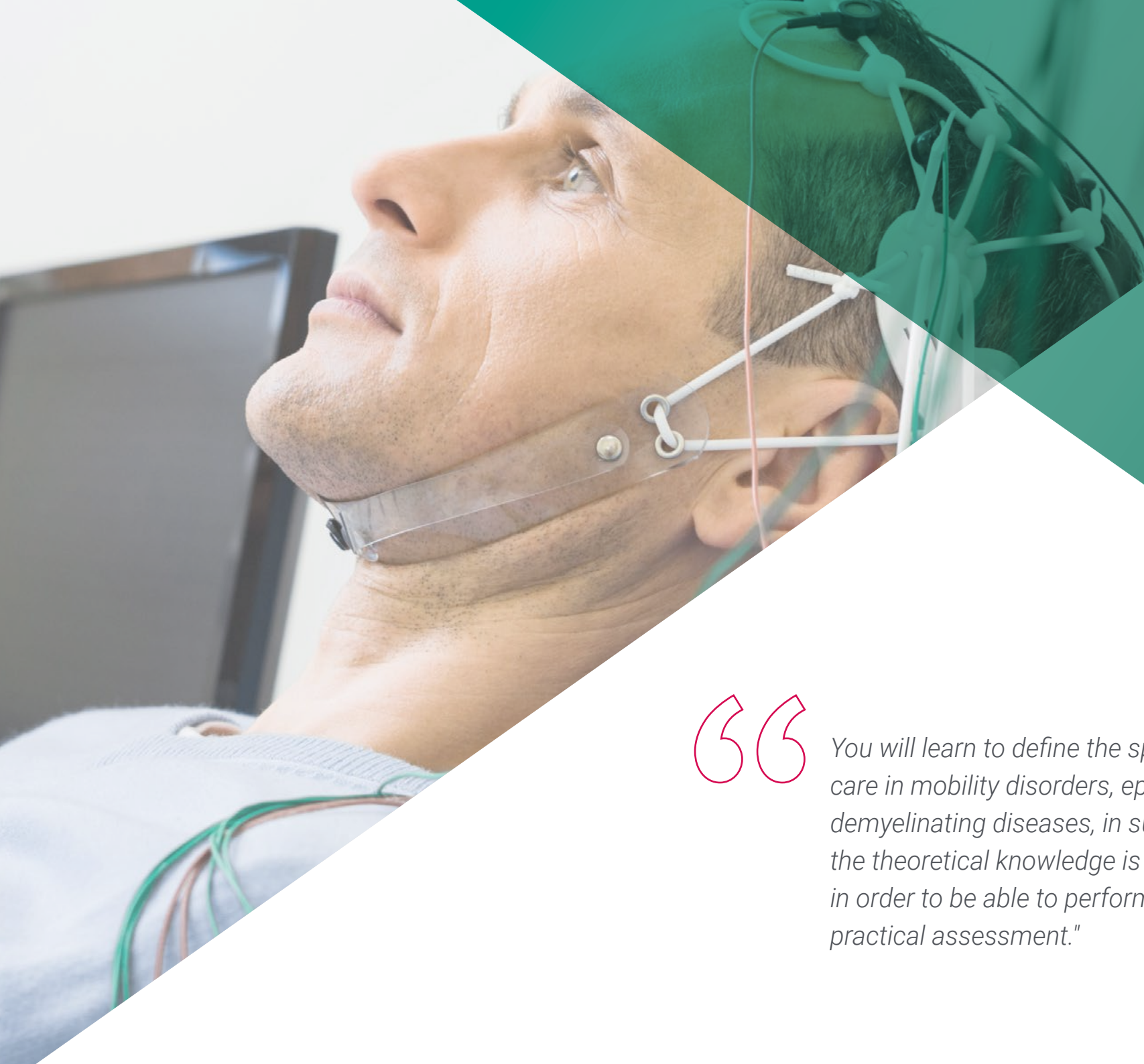
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01
Introduction

This program addresses the management of the most common neurological diseases, such as epilepsy and multiple sclerosis, as well as other mobility disorders. In this way, the curriculum includes the classification, symptomatology and possible causes of epilepsy, as well as the classification of epileptic seizures; the different neurological pathologies related to mobility disorders, with special attention to Parkinson's disease and, in turn, the different demyelinating pathologies are studied and reviewed, especially multiple sclerosis, since they are the leading cause of non-traumatic disability in young adults, causing physical and cognitive disability, having a high impact on the quality of life. However, this program will train nurses in their specialization for the care of patients with these pathologies.

You will learn to define the specific care in mobility disorders, epilepsy and demyelinating diseases, in such a way that the theoretical knowledge is integrated in order to be able to perform a suitable practical assessment."

This program addresses the management of one of the most common neurological diseases. Its prevalence in Europe is 0.7%, affecting in Spain between 300,000-400,000 inhabitants according to the SEN (Spanish Society of Neurology). As such, the curriculum covers the classification, symptomatology and possible causes of epilepsy, as well as the classification of epileptic seizures. This is a disease that, if not controlled, causes a great loss of autonomy.

In recent years, new antiepileptic drugs have appeared that have the same ability to control seizures, but with fewer side effects. These treatments will be described in this Postgraduate Diploma, as well as other different surgical procedures in drug-resistant patients, which greatly reduce the percentage of crises. The use of video EEG diagnosis will be observed which in some cases makes it possible to locate the epileptogenic focus and suppress it with surgery, reducing seizures by 80%.

Similarly, this program will define the various neurological pathologies related to mobility disorders, focusing on Parkinson's disease and other similar diseases. For example, Parkinson's disease is the second most common degenerative disease of the nervous system. In Spain it affects about 80,000 inhabitants. The patients are highly dependent as they present tremors and serious problems in walking, causing falls with the complications they entail and reaching the end of the disease with almost total immobility of the patient. Therefore, it is necessary to understand the scope of the latest advances in treatments, both pharmacological and surgical, which have led to an improvement in the quality of life of these patients and the importance of nursing in the application of this care and in the follow-up of the patients.

On the other hand, the different demyelinating pathologies are studied and reviewed, especially multiple sclerosis, since they are 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 Neurology Society), by 2020 there will be more than 50,000 people affected by multiple sclerosis. It has progressively increased in the last decades, especially affecting women.

This **Postgraduate Diploma in Multiple Sclerosis, Epilepsy and Mobility Disorders for Nursing** contains the most complete and up-to-date program 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 experts 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, that is, a simulated environment that will provide an immersive learning programmed to train in real situations.

Parkinson's disease is the second most common degenerative disease of the nervous system, so get specialized and improve your quality of life".

" *Having nurses who are experts in the advanced practice of different mobility disorders is in demand in hospitals, as well as a plus for your professional career".*

Expand your knowledge of the classification and etiopathogenesis of epilepsy and become a nurse specialized in this increasingly common pathology"

You will update your knowledge in demyelinating diseases and delve into CNS autoimmune diseases thanks to TECH"
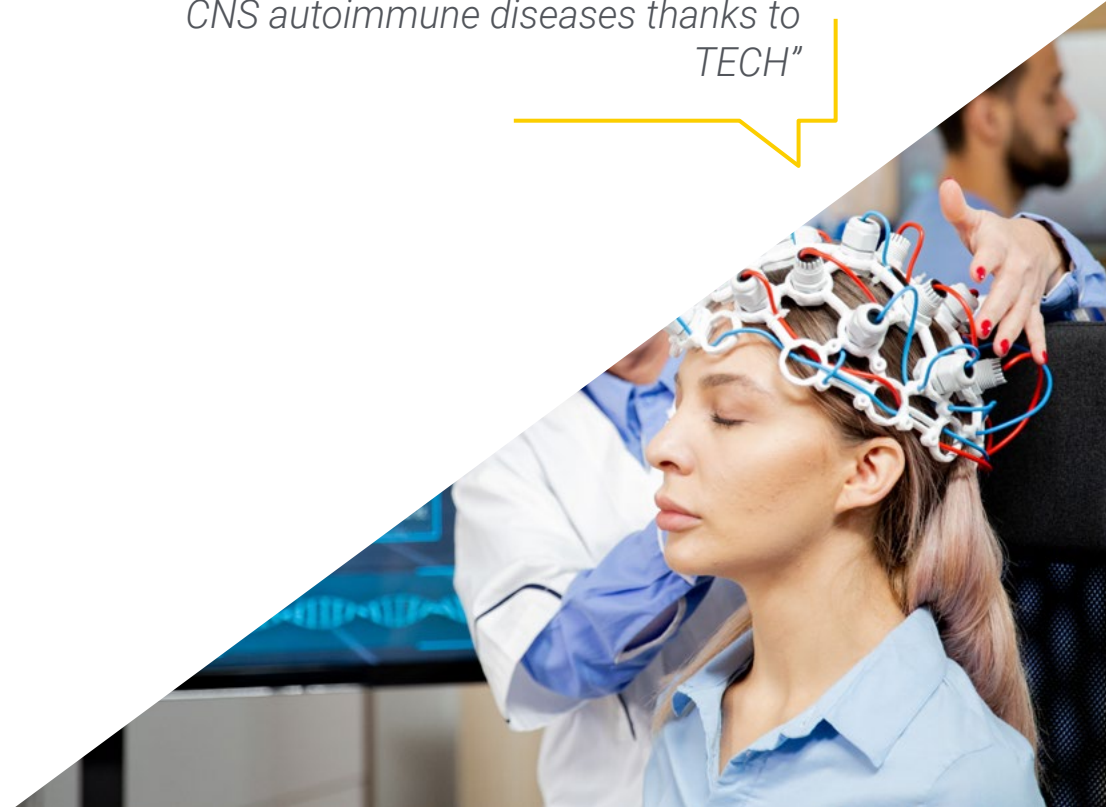
The program's teaching staff includes professionals from the sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

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 Diploma in Multiple Sclerosis, Epilepsy and Mobility Disorders for Nursing is oriented to facilitate the performance of nursing staff dedicated to the treatment and care of patients with Mobility Disorders such as Multiple Sclerosis or Parkinson's, as well as to know how to control episodes of Epilepsy. This requires a high level of competence and training to avoid possible complications and improve the level of self-care. In this way, the nurse will be trained in the treatment required by patients in this area, with rigor and professionalism, in order to achieve the following proposed objectives, distributed in general and specific by module, for greater satisfaction of the future graduate on the way to his or her professional goal.

You will successfully integrate the nursing care required into your daily practice following standardized care plans according to nursing taxonomies."

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
- Have an In-depth Knowledge of the Most Up-to-date Basic Medical-Surgical Treatments
- In-depth knowledge of diagnostic taxonomy to formulate nursing diagnoses, outcome criteria and nursing interventions

Update your knowledge in parkinsonisms and study dystonia, Tourette's syndrome and Huntington's syndrome in depth with a team of professionals with great experience in the treatment of these patients".

Specific Objectives

Module 1. Epilepsy

* Know and expand knowledge about the classification and etiopathogenesis of epilepsy
* Provide and expand knowledge in diagnostic tests
* Know in depth the specific nursing care involved in epilepsy
* Integrate nursing care into daily practice by following standardized care plans according to nursing taxonomies

Module 2. Mobility Disorders

* Know and broaden knowledge in etiopathogenesis of mobility disorders
* Expand knowledge in parkinsonisms
* Study knowledge of dystonia, Tourette's syndrome and Huntington's syndrome.
* Know in depth the specific nursing care of mobility disorders diseases
* Integrate nursing care into daily practice by following standardized care plans according to nursing taxonomies

Module 3. Multiple Sclerosis and Autoimmune CNS Diseases

* Know and expand knowledge in etiopathogenesis of multiple sclerosis
* Updated knowledge of demyelinating diseases
* Study content about autoimmune diseases snc
* 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

Course Management

In its maxim of offering elite education for all, TECH relies on renowned professionals to provide the student with a solid knowledge in the nursing-focused specialty of Multiple Sclerosis, Epilepsy and Mobility Disorders for Nursing. Therefore, this Postgraduate Diploma has a highly qualified team with extensive experience in the sector, which will offer the best tools for students to develop their skills during the course. In this way, the student has the guarantees required to specialize in an environment that requires precision, patience and determination, oriented to the well-being and improvement of the patient.

The best teaching team gives you the tools to act appropriately with patients affected by different mobility disorders due to neurological pathology."

Management

Mr. Cano Manchón, Antonio Rafael

- Nursing Supervisor of the Neurology-Neurosurgery- Stroke Unit of the University Hospital of La Princesa.
- Associate Professor of the Faculty of Nursing at the Universidad Autónoma de 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
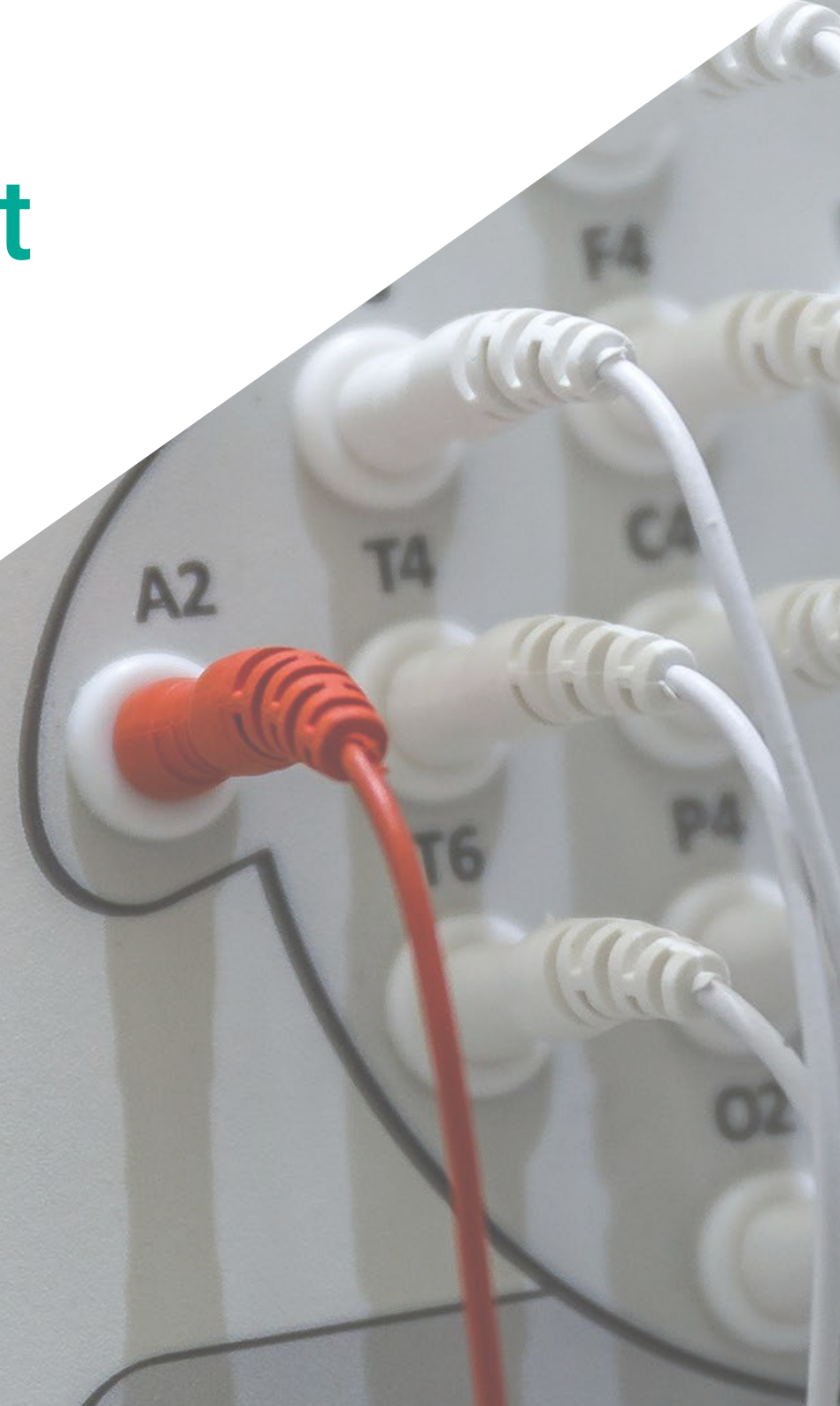- Degree in Nursing

Ms. González García, Beatriz

- Nurse Assistant in the Neurology-Neurosurgery- Stroke Unit of the University Hospital la Princesa.
- Advanced Practice Nurse Practitioner in specialized practice of Movement Disorders and Parkinson's Disease Nursing.
- Degree in Nursing

04
Structure and Content

The structure of the contents of this Postgraduate Diploma has been designed by a team of nursing professionals from a leading hospital in neurological care at all levels, aware of the relevance of current specialization in diseases such as multiple sclerosis or epilepsy in addition to the various mobility disorders to intervene in the treatment and care of neurological pathology with success. Committed to quality teaching through new educational technologies, they have established a curriculum whose modules offer 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 quality assurance of prestigious universities.

TECH offers you quality content with the best study structure so that you can successfully acquire the necessary knowledge and skills".

Module 1. Epilepsy

Module 2. Mobility Disorders

2.1.   Mobility Disorders
    2.1.1.   Classification
2.2.   Parkinson's Disease
2.3.   Atypical Parkinsonisms
2.4.   Dystonia
2.5.   Huntington's Disease
2.6.   Tremor and Myoclonus
2.7.   Tourette Syndrome
2.8.   Ataxias and Paraparesis
2.9.   Treatment in Mobility Disorders
    2.9.1.   Pharmacological Treatments and Side Effects
    2.9.2.   Non-Pharmacological Treatment
2.10.   Nursing Care in Mobility Disorders
    2.10.1.   Specific Care in Parkinson's Disease
    2.10.2.   Specific Care in Dystonia
    2.10.3.   Specific Care in Huntington's Disease
    2.10.4.   Specific Care in Tremors and Myoclonias
    2.10.5.   Specific Care in Tourette's Syndrome
    2.10.6.   Specific Care in Ataxias and Paraparesias
2.11.   Standardized NANDA-NIC-NOC Care Plans.
    2.11.1.   Nursing Assessment by Gordon Functional Patterns
    2.11.2.   Nursing Diagnoses NANDA Taxonomy
    2.11.3.   Care Planning According to NIC-NOC Taxonomy

Module 3. Multiple Sclerosis and Autoimmune CNS Diseases

3.1.   Multiple Sclerosis
    3.1.1.   Diagnosis
3.2.   Multiple Sclerosis Diagnosis
3.3.   Pathophysiology Multiple Sclerosis
    3.3.1.   Immunology
    3.3.2.   Treatment of Disease
3.4.   Spectrum of Neuromyelitis Optica
3.5.   Demyelinating Diseases of the CNS
3.6.   CNS Manifestations in Systemic Autoimmune Diseases
3.7.   Autoimmune Encephalitis
3.8.   Treatments in Demyelinating and Autoimmune Diseases
    3.8.1.   Pharmacological Treatments and Side Effects
    3.8.2.   Non-Pharmacological Treatment
3.9.   MS Nursing Care
    3.9.1.   Specific Care in EM
    3.9.2.   Specific Care in Demyelinating Diseases
    3.9.3.   Specific Care in Autoimmune Diseases
3.10.   Standardized NANDA-NIC-NOC Care Plans.
    3.10.1.   Nursing Assessment by Gordon Functional Patterns
    3.10.2.   Nursing Diagnoses NANDA Taxonomy
    3.10.3.   Care Planning According to NIC-NOC Taxonomy

With this Postgraduate Diploma you will reach your learning goal, boosting your academic career to another level".

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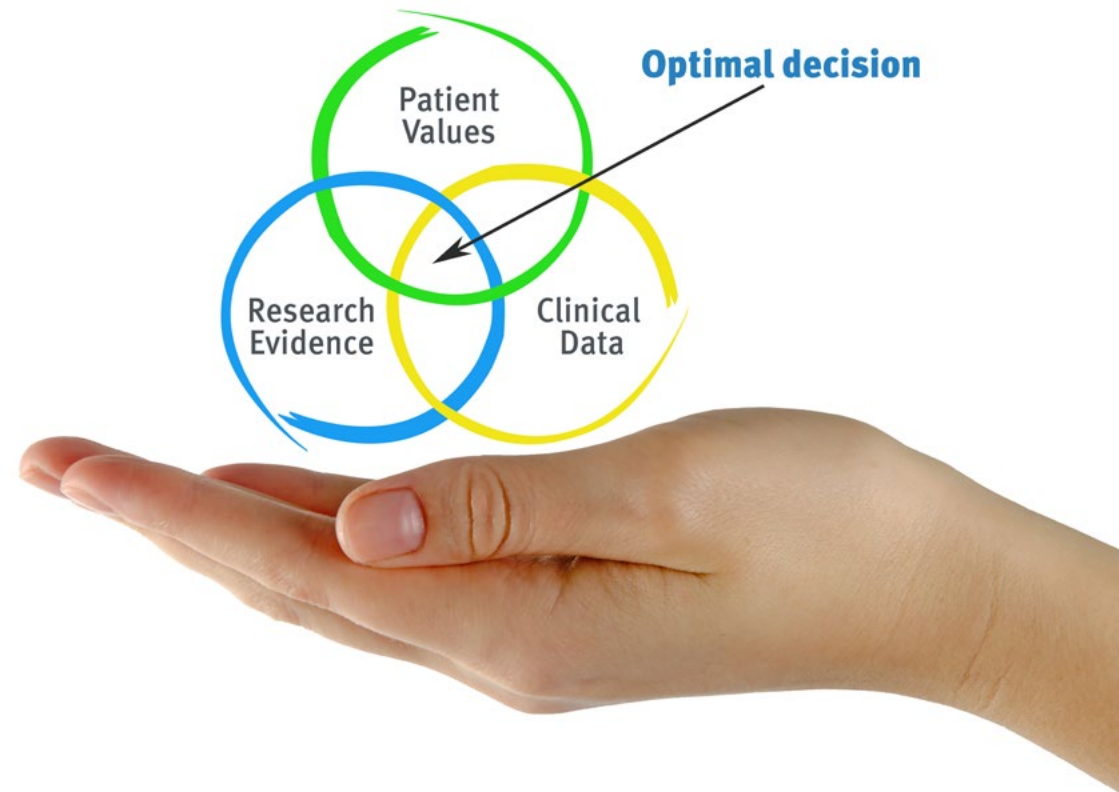
"*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization*"

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 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.

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 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.
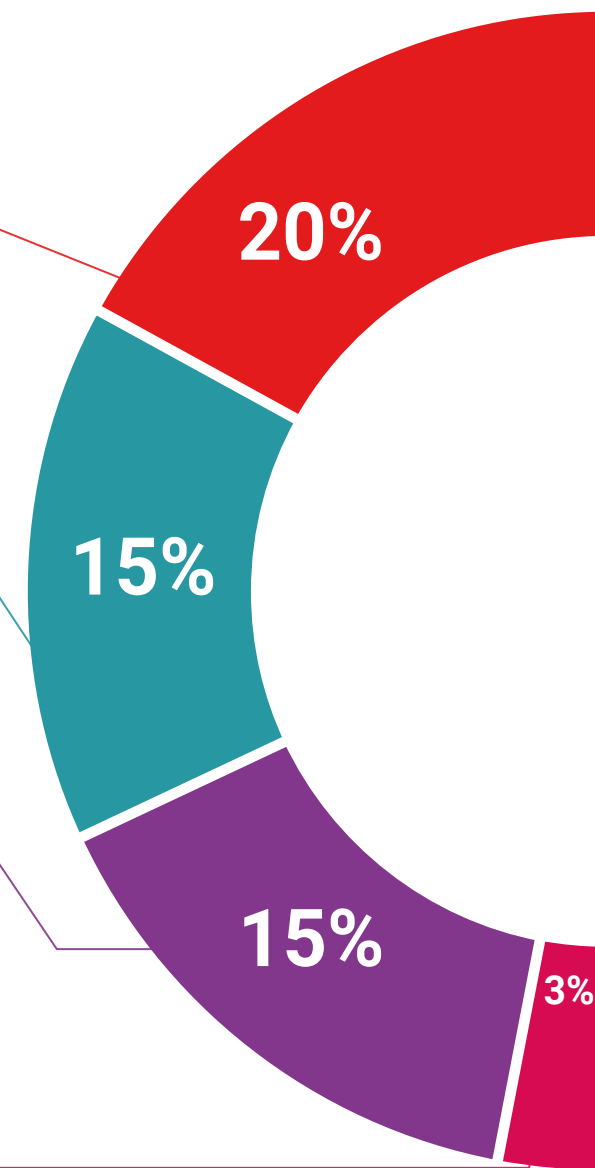
Interactive Summaries

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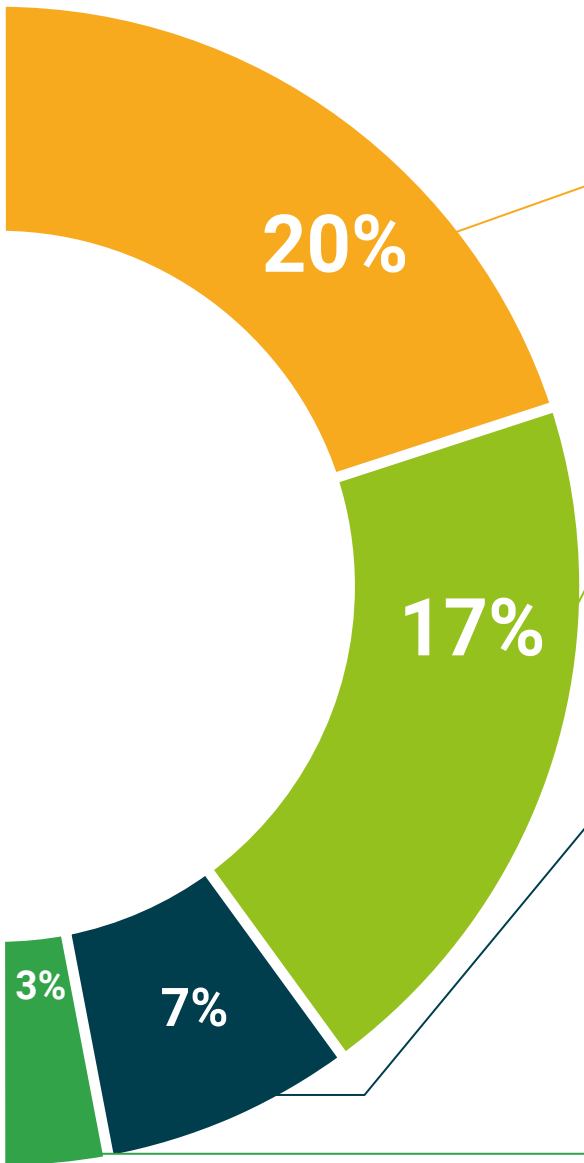
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

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.

20%

15%

15%

3%

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 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 Diploma Multiple Sclerosis, Epilepsy and Mobility Disorders for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"
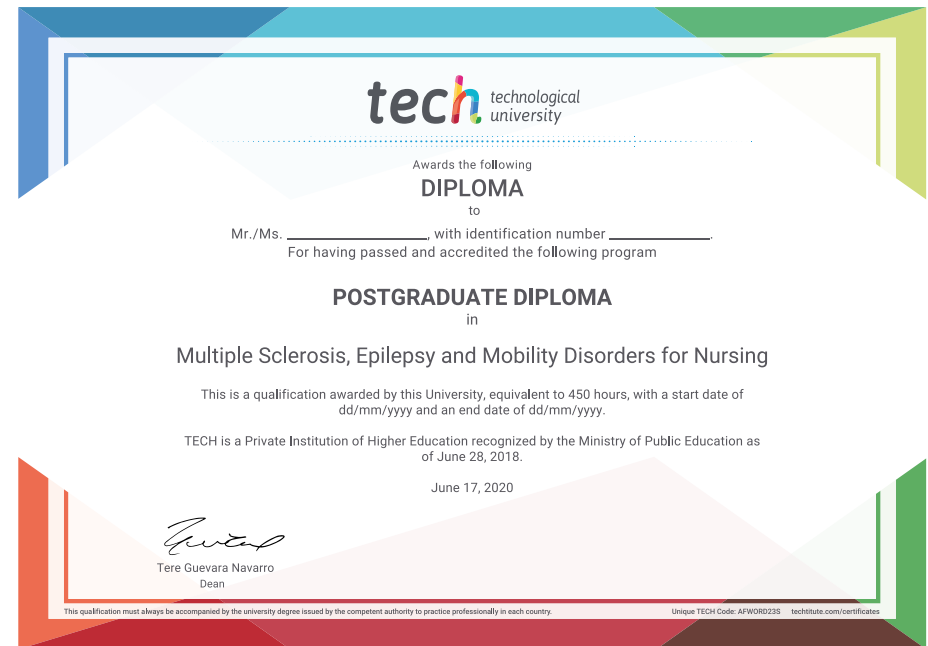
This **Postgraduate Diploma in Multiple Sclerosis, Epilepsy and Mobility Disorders for Nursing** contains the most complete and up-to-date program on the market.

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

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

Title: **Postgraduate Diploma in Multiple Sclerosis, Epilepsy & Mobility Disorders for Nursing**

Official Nº of Hours: **450 h.**

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Awards the following

DIPLOMA

to

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

POSTGRADUATE DIPLOMA

in

Multiple Sclerosis, Epilepsy and Mobility Disorders for Nursing

This is a qualification awarded by this University, equivalent to 450 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 diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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Postgraduate Diploma

Multiple Sclerosis, Epilepsy & Mobility Disorders for Nursing

Course Modality: **Online**

Duration: **6 months.**

Certificate: **TECH Technological University**

Official Nº of Hours: **450 h.**

Postgraduate Diploma
Multiple Sclerosis, Epilepsy and Mobility Disorders for Nursing

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