

# Postgraduate Certificate

Nutrition in Neurological  
Diseases and Other Special  
Situations for Nursing





## Postgraduate Certificate Nutrition in Neurological Diseases and Other Special Situations for Nursing

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

Website: [www.techtute.com/pk/nursing/postgraduate-certificate/nutrition-neurological-diseases-other-special-situations-nursing](http://www.techtute.com/pk/nursing/postgraduate-certificate/nutrition-neurological-diseases-other-special-situations-nursing)

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# 01

# Introduction

The nervous system requires numerous essential nutrients for its proper functioning. There is a close relationship between nutrition, the nervous system and neurological diseases. It is therefore essential that the nursing professional is up-to-date and has advanced notions in nutrition in neurological diseases and other special situations, which will allow them to advance in their career and stand out in a sector with a high demand for professionals. In response to this need, TECH has created the following degree with the main objective of training students in a booming and constantly changing sector. All this through audiovisual resources, complementary readings and practical exercises developed with the Relearning methodology.





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*Learn the latest developments in Nutrition  
in Neurological Diseases and Other Special  
Situations for Nursing from experts in the field”*

Nowadays, neurological diseases and other special situations are becoming more and more frequent and represent a challenge in health care. In this context, nutrition is a key factor in improving the quality of life of patients and preventing complications. Therefore, it is essential for nurses to have a solid knowledge of nutrition in order to provide comprehensive and effective care.

This program responds to these current needs and is designed for nurses to acquire advanced knowledge in nutrition to care for patients with neurological diseases and other situations such as malnutrition, obesity and diabetes. In this way, nurses will be able to provide personalized care appropriate to each clinical situation.

The program is developed in a 100% online format, which allows participants to adapt their studies to their pace and schedules. In addition, it uses the Relearning methodology, which focuses on active and personalized teaching to achieve more effective learning. Participants will have access to interactive didactic material, discussion forums, clinical cases and evaluation tools that will allow them to consolidate their knowledge and apply it in their daily practice.

This **Postgraduate Certificate in Nutrition in Neurological Diseases and Other Special Situations for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ Clinical cases presented by experts in nutrition. Its graphic, schematic and practical contents provide scientific and assistance information on those nursing disciplines that are essential for professional practice
- ◆ Latest diagnostic and therapeutic information on Nutrition in Neurological Diseases and Other Special Situations
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ With a special emphasis on evidence-based nursing and clinical nutrition research methodologies
- ◆ All of this will be complemented by 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



*The Postgraduate Certificate provides simulated environments, that provide immersive learning programmed to train in real situations”*

“

*This Postgraduate Certificate may be the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Nutrition in Neurological Diseases and Other Special Situations, you will obtain a Postgraduate Certificate degree from the first educational institution in Spain, TECH”*

The program's teaching staff includes professionals from the field who contribute their work experience to this educational 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 education programmed to learn 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 students will be assisted by an innovative interactive video system created by renowned and experienced experts.

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

*Improve your knowledge through this program, where you will find the best didactic material with real clinical cases. Learn with us about the latest advances in the specialty to be able to perform quality nursing practice.*



# 02 Objectives

The main objective of the program is the development of theoretical and practical learning, so that the Nurse can master nutrition in neurological diseases in a practical and rigorous way.





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*This refresher program will generate a sense of security when practising nursing, which will help you grow both personally and professionally”*



## General Objectives

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- Update the Nurse knowledge on new trends in human nutrition, in both health and disease situations, through evidence based nursing
- Promote work strategies based on the practical knowledge of the new trends in nutrition and its application to adult pathologies, where nutrition plays a fundamental role in treatment
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific training
- Encourage professional stimulation through continuing education and research
- Prepare the professional for research into patients with nutritional problems





## Specific Objectives

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- ◆ Distinguish dietary management of patients with debilitating neuromuscular pathology and who have suffered strokes
- ◆ Identify the nutritional support needs of patients with Parkinson's disease and Alzheimer's disease at each evolutionary stage
- ◆ Update knowledge of specific formulae for artificial nutrition in adults
- ◆ Incorporate the nutritional treatment of the most prevalent deficiency diseases in adults
- ◆ Manage the diet of critically ill patients

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*Take advantage of the opportunity and take the step to get up to date on the latest developments in Nutrition in Neurological Diseases and Other Special Situations for Nurses”*

03

# Course Management

Our teaching team, experts in Clinical Nutrition, are well known in the profession and are professionals with years of teaching experience who have come together to help you boost your career. To this end, they have developed this Master's Degree with the latest developments in the field that will allow you to train and increase your skills in this sector.



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*Learn from the best professionals and become a successful professional yourself”*

## Management



### Ms. Auni3n Lavar3as, Mar3a Eugenia

- ◆ Pharmacist Clinical Nutrition Expert
- ◆ Author of the reference book in the field of Clinical Nutrition *Dietary , Management of Overweight in the Pharmacy Office*. (Editorial M3dica Panamericana)
- ◆ Pharmacist with extensive experience in the public and private sector
- ◆ Head Pharmacist
- ◆ Pharmacy Assistant. Pharmacy Chain. British Health and Beauty Retailers Boots UK. Oxford Street Centro de Londres
- ◆ Bachelor 's Degree in Food Science and Technology. University of Valencia
- ◆ Course Management Pharmacy Office



# 04

## Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of training in daily nursing practice in nutrition, aware of the relevance of the current relevance of training to be able to act before the patient with neurological pathology with quality teaching through new educational technologies.







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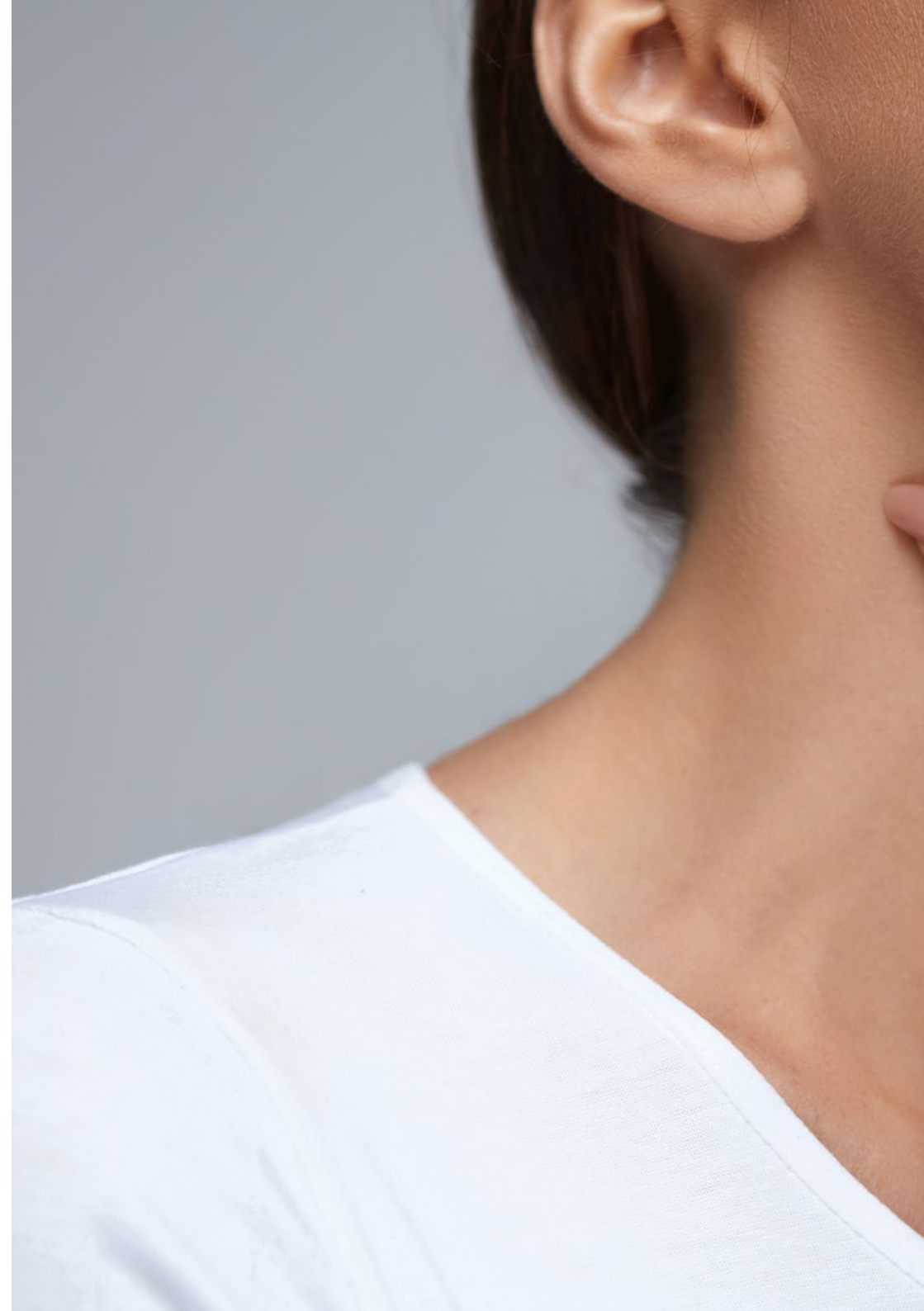
*This Postgraduate Certificate in Nutrition in Neurological Diseases and Other Special Situations for Nursing, contains the most complete and up-to-date scientific program on the market”*

## Module 1. Assessment of Nutritional Status and Diet. Practical Application

- 1.1. Bioenergy and Nutrition
  - 1.1.1. Energy Needs
  - 1.1.2. Methods of Assessing Energy Expenditure
- 1.2. Assessment of Nutritional Status
  - 1.2.1. Body Composition Analysis
  - 1.2.2. Clinical Diagnosis. Symptoms and Signs
  - 1.2.3. Biochemical, Hematological and Immunological Methods
- 1.3. Intake Assessment
  - 1.3.1. Methods for Analyzing Food and Nutrient Intake
  - 1.3.2. Direct and Indirect Methods
- 1.4. Update on Nutritional Requirements and Recommended Intakes
- 1.5. Nutrition in a Healthy Adult. Objectives and Guidelines. Mediterranean Diet
- 1.6. Nutrition in Menopause
- 1.7. Nutrition in the Elderly

## Module 2. Nutrition in Neurological Diseases

- 2.1. Swallowing Disorders
  - 2.1.1. Patient Assessment
  - 2.1.2. Nutritional Recommendations and Advice
  - 2.1.3. Nutritional Treatments
- 2.2. Disabling Neuromuscular Disorders
  - 2.2.1. Patient Assessment
  - 2.2.2. Nutritional Recommendations and Advice
  - 2.2.3. Nutritional Treatments
- 2.3. Stroke
  - 2.3.1. Patient Assessment
  - 2.3.2. Nutritional Recommendations and Advice
  - 2.3.3. Nutritional Treatments
- 2.4. Parkinson's Disease
  - 2.4.1. Patient Assessment
  - 2.4.2. Nutritional Recommendations and Advice
  - 2.4.3. Nutritional Treatments



- 2.5. Alzheimer's Disease
  - 2.5.1. Patient Assessment
  - 2.5.2. Nutritional Recommendations and Advice
  - 2.5.3. Nutritional Treatments

### Module 3. Nutrition in Special Situations

- 3.1. Nutrition in Metabolic Stress Situations
  - 3.1.1. Sepsis
  - 3.1.2. Polytrauma
  - 3.1.3. Burns
  - 3.1.4. Transplant Recipient
- 3.2. Nutrition in Oncology Patients with:
  - 3.2.1. Surgical Management
  - 3.2.2. Chemotherapy Treatment
  - 3.2.3. Radiotherapy Treatment
  - 3.2.4. Bone Marrow Transplant
- 3.3. Immune Diseases
  - 3.3.1. Acquired Immunodeficiency Syndrome

### Module 4. Nutrition in Deficiency Diseases

- 4.1. Malnutrition
  - 4.1.1. Hospital Malnutrition
  - 4.1.2. The Fasting and Refeeding Cycle
- 4.2. Anaemia. Hemochromatosis
- 4.3. Vitamin Deficiencies
- 4.4. Osteoporosis
- 4.5. Oral Disease and its Relation to Diet



*A unique, key, and decisive educational experience to boost your professional development"*

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 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.



06

# Certificate

The Postgraduate Certificate in Nutrition in Neurological Diseases and Other Special Situations for Nursing 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 Nutrition in Neurological Diseases and Other Special Situations for Nursing** contains the most complete and up-to-date scientific 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 Nutrition in Neurological Diseases and Other Special Situations for Nursing**

Official N° of Hours: **175 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  
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education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
online training  
development language  
classroom



## Postgraduate Certificate Nutrition in Neurological Diseases and Other Special Situations for Nursing

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

# Postgraduate Certificate

## Nutrition in Neurological Diseases and Other Special Situations for Nursing

