Postgraduate Certificate
Nutrition in Neurological Diseases and Other Special Situations

tech global university

Postgraduate Certificate
Nutrition in Neurological
Diseases and Other
Special Situations

- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Global University**
- » Credits: **7 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: **www.techtitute.com/us/nutrition/postgraduate-certificate/nutrition-neurological-diseases-other-special-situations**

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01
Introduction

Neurological diseases are a major cause of morbidity in developed countries, which may result in the need for artificial nutritional support.

With this training you will update your knowledge and skills in Nutrition in Neurological Diseases and Other Special Situations will help from active professionals in the field. Furthermore, as it is a 100% online specialization, so it is the who student decides where and when to study. Without the restrictions of fixed timetables or having to move between classrooms, this course can be combined with work and family life.

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

This course is methodologically designed for distance learning in order to guarantee optimal supervision. It offers the student the possibility of deepening and updating their knowledge, using the latest educational technology. You will also learn the dietary management of patients with disabling neuromuscular pathology and who have suffered strokes, with this intensive training given by professionals with extensive experience in the field.

This program provides specialization in the field of Clinical Nutrition in areas of particular interest such as:

- Bio-energy
- The Mediterranean Diet
- Inflammatory Bowel Disease
- Neurological Diseases

This course is designed to give you access to the specific knowledge of this discipline in an intensive and practical way. A great value for any professional.

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

- Clinical cases presented by experts in nutrition. The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the 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.
- Special emphasis on test-based medicine and research methodologies in Clinical Nutrition.
- 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

Improve your knowledge throught this Postgraduate Certificate in Nutrition in Neurological Diseases and Other Special Situations"

"*This Postgraduate Certificate may be the best investment you can make when choosing 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 certificate from the largest online educational institution, TECH*"

The Postgraduate Certificate allows training in simulated environments, which provide immersive learning programmed to train in real situations.

It includes clinical cases to bring the program's degree as close as possible to the reality of care in nutrition.

Forming part of the teaching staff is a group of professionals in the world of clinical nutrition, who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

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 an immersive training program to train in real situations.

Problem-Based Learning underpins this program design, and the educator must use it to try and solve the different professional practice situations that arise throughout the Postgraduate Certificate course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of radiology with extensive teaching experience.

02
Objectives

The program's primary objective is focused on theoretical and practical learning, so that the nutritionist is able to master Nutrition in Neurological Diseases and Other Special Situations in both a practical and rigorous manner.

" *This refresher program will generate a sense of security in nutritional practice, which will help you grow both personally and professionally"*

General Objectives

- Update the nutritionist's knowledge on new trends in human nutrition, in both health and pathological situations
- 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 stimulus through continuing education and research
- Train the professional for research into patients with nutritional problems
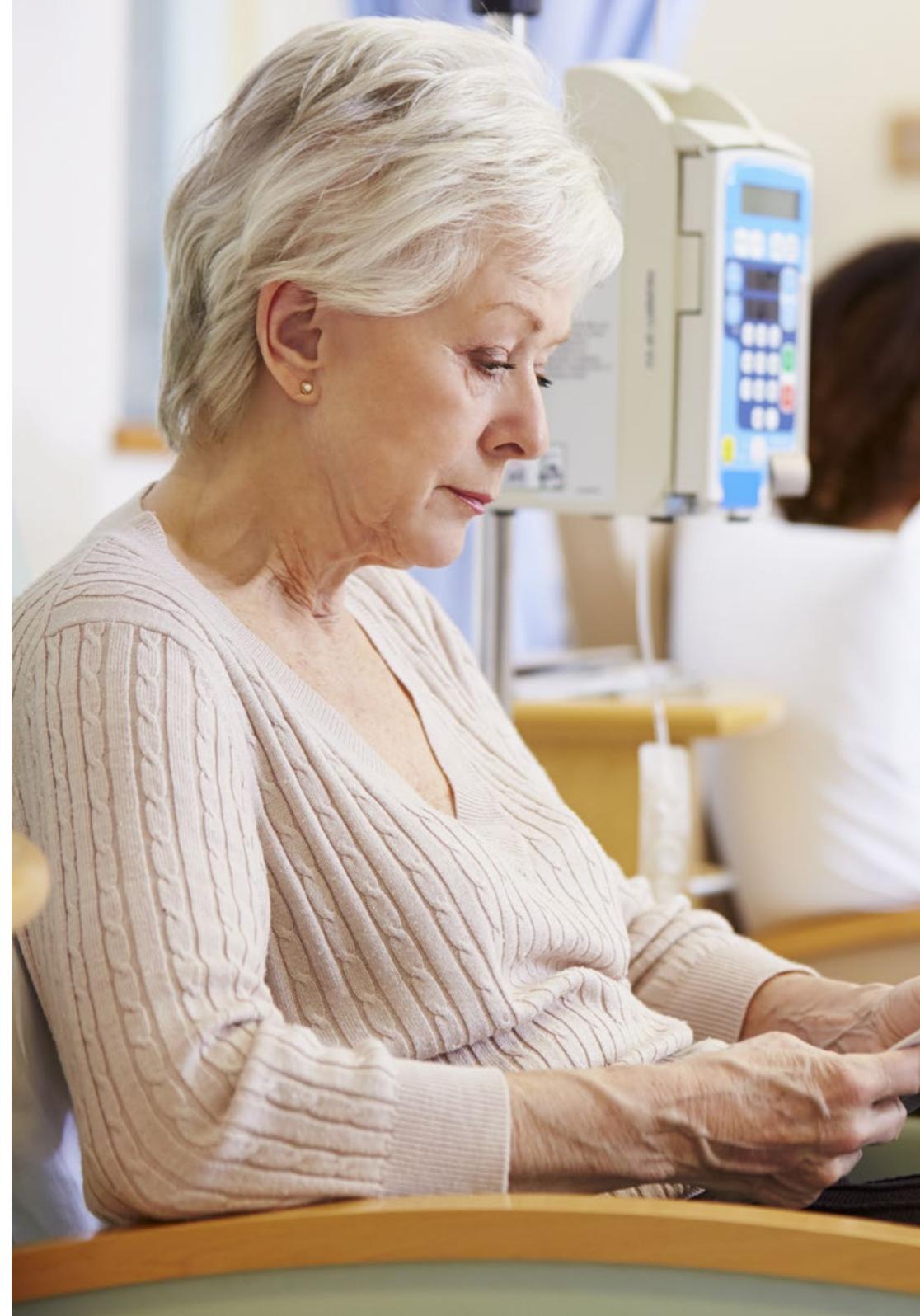
Specific Objectives

♦ 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 students' 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.

Make the most 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"

03
Course Management

Our teachers, made up of experts in Nutrition in Neurological Diseases and Other Special Situations, are well known in the field 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 Postgraduate Certificate with the latest developments in the field that will allow you to train and increase your skills in this sector.

Learn from the best professionals and become a successful professional yourself"

International Guest Director

Dr. Sumantra Ray is an internationally recognized specialist in **Nutrition** and his main areas of interest are **Nutrition Education in Health Systems** and **Cardiovascular Disease Prevention**. With his outstanding experience in this health field, he has served as a consultant on special assignment for the **Nutrition Management** of the **World Health Organization** Headquarters in Geneva. He has also worked as **Director of Research** in Food Security, Health and Society in the Faculty of Humanities and Social Sciences at the University of Cambridge.

For his constant commitment to the dissemination of **healthy eating habits**, he has received the **Josephine Lansdell Award** from the British Medical Association. Specifically, this recognition highlighted his contributions related to nutrition and **Cardiovascular Prevention**. Also, as an international expert, he has participated in a work program on **Food, Nutrition** and **Education** in India, led by the University of Cambridge and funded by the UK Global Challenges Research Fund.

Dr. Sumantra Ray's studies are worldwide references, focusing on **global food security**, as it is a fundamental aspect for the development of societies. In addition, he has demonstrated his leadership skills as a **Senior Clinical Scientist** at the **Medical Research Council**, focusing on **Nutrition** and **Vascular Health** studies. In this position, he directed an experimental medicine facility dedicated to Human **Nutrition** studies.

Throughout his career he has authored more than **200 scientific publications** and has written the **Oxford Handbook of Clinical and Health Research**, aimed at strengthening the basic research skills of health care workers around the world. In this sense, he has shared his scientific findings in numerous presentations and congresses, in which he has participated in different countries.

Dr. Ray, Sumantra

- Executive Director and Founder, NNEdPro Global Nutrition and Health
- Centre, Cambridge, UK
- Director of Research in Food Security, Health and Society in the Faculty of Humanities and Social Sciences, University of Cambridge
- Co-Founder and President of the BMJ Scientific Journal Nutrition, Prevention and Health
- Presidential Advisor at the School of Advanced Studies on Food and Nutrition, University of Parma
- Vice President of the Conference of Medical Academic Representatives of the BMA

- Consultant on special assignment for the Nutrition Directorate of the World Health Organization Headquarters in Geneva
- Honorary International Dean of the Cordia Colleges in India
- Senior Clinical Scientist with the Medical Research Council
- Bachelor's Degree in Medicine

"Thanks to TECH, you will be able to learn with the best professionals in the world"

Management

Ms. Aunión Lavarías, María Eugenia

- Pharmacist and Clinical Nutrition Expert
- "Author of the reference book in the field of Clinical Nutrition "Dietetic Management of Overweight in the Pharmacy Office". (Panamerican Medical Publishing House)
- Pharmacist with extensive experience in the public and private sector
- Pharmacist in Valencia Pharmacy
- Pharmacy Assistant in the British pharmacy and health and beauty retail chain Boots, UK
- Degree in Pharmacy and Food Science and Technology. University of Valencia
- Director of the University Course "Dermocosmetics in the Pharmacy Office"

04
Structure and Content

The structure of the contents has been designed by a team of professionals who recognise the implications of training in daily praxis the field of nutrition, aware of the relevance of current training to treat patients with neurological pathologies and who are committed to quality teaching using new educational technologies.

This Postgraduate Certificate in Nutrition in Neurological Diseases and Other Special Situations 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

Module 3. Nutrition in Special Situations

Module 4. Nutrition in Deficiency Diseases

05
Methodology

This specialization provides you with a different way of learning. Our methodology uses a cyclical learning approach: *Re-learning*.
This teaching system is used 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.
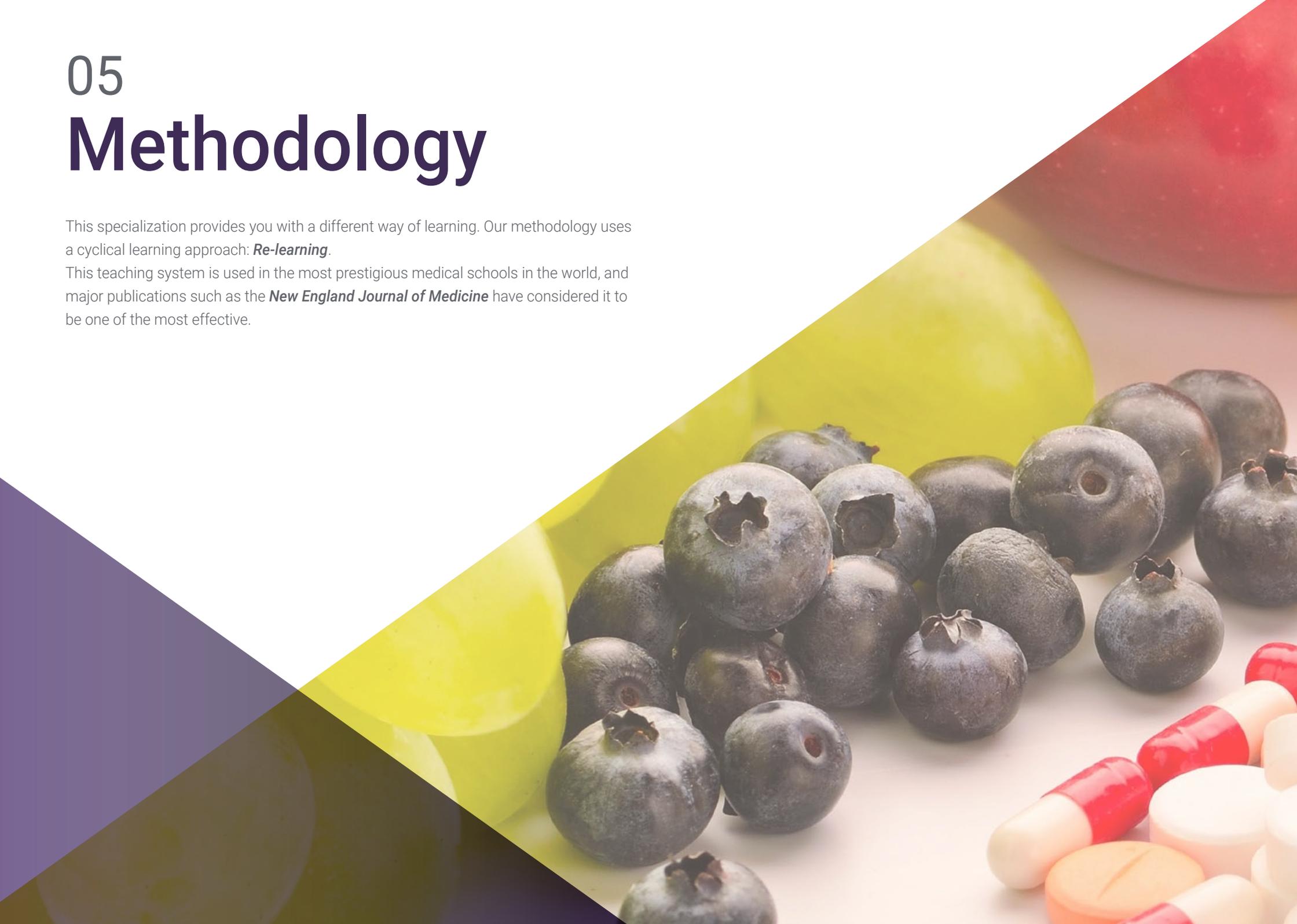
Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

In a given clinical situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Nutritionists learn better, faster, and more sustainably over time.

With TECH, nutritionists can experience a way of learning that is shaking the foundations of traditional universities around the world.
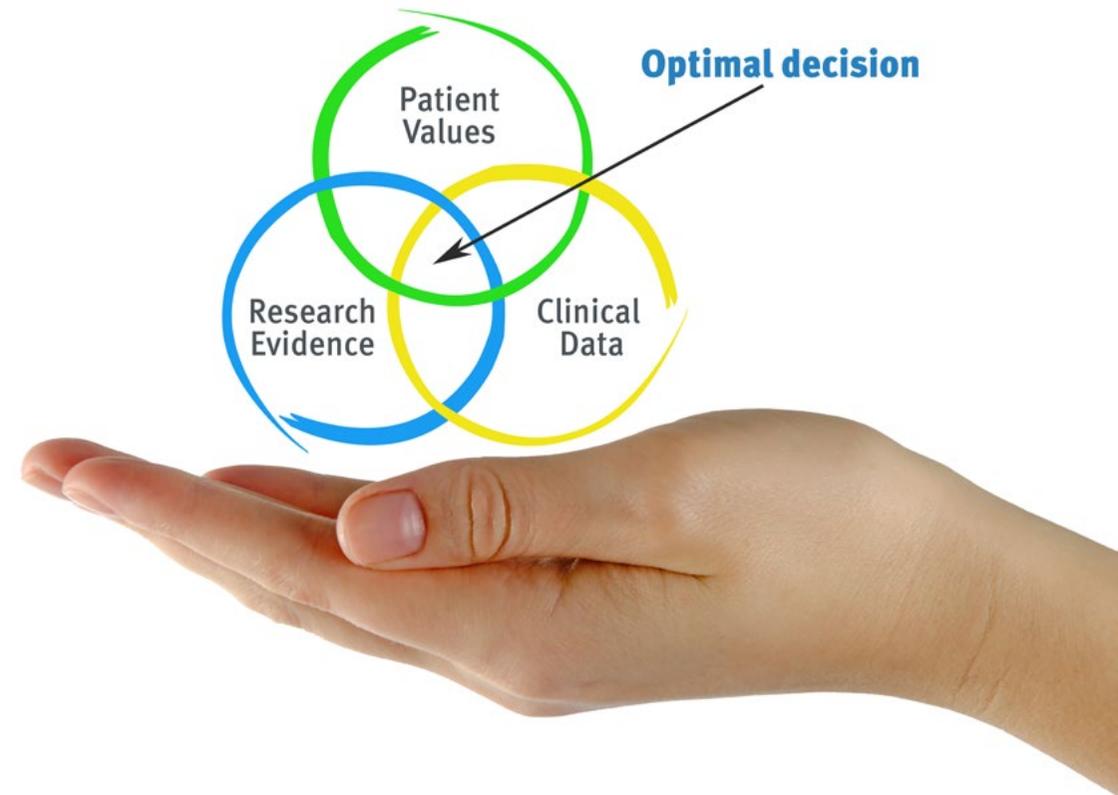
According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching potential or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions of professional nutritional 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. Nutritionists 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 is solidly focused on practical skills that allow the nutritionist to better integrate the knowledge into clinical practice.

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.

Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.

The nutritionist 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have have trained more than 45,000 nutritionists with unprecedented success, in all clinical specialties regardless of the workload. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.

In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.

Nutrition Techniques and Procedures on Video

We introduce you to the latest techniques, the latest educational advances, and the forefront of current nutritional procedures and techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.

Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Additional Reading

Recent articles, consensus documents, international guides... in our virtual library you will have access to everything you need to complete your specialization.

20%

15%

15%

3%

20%

17%

7%

3%
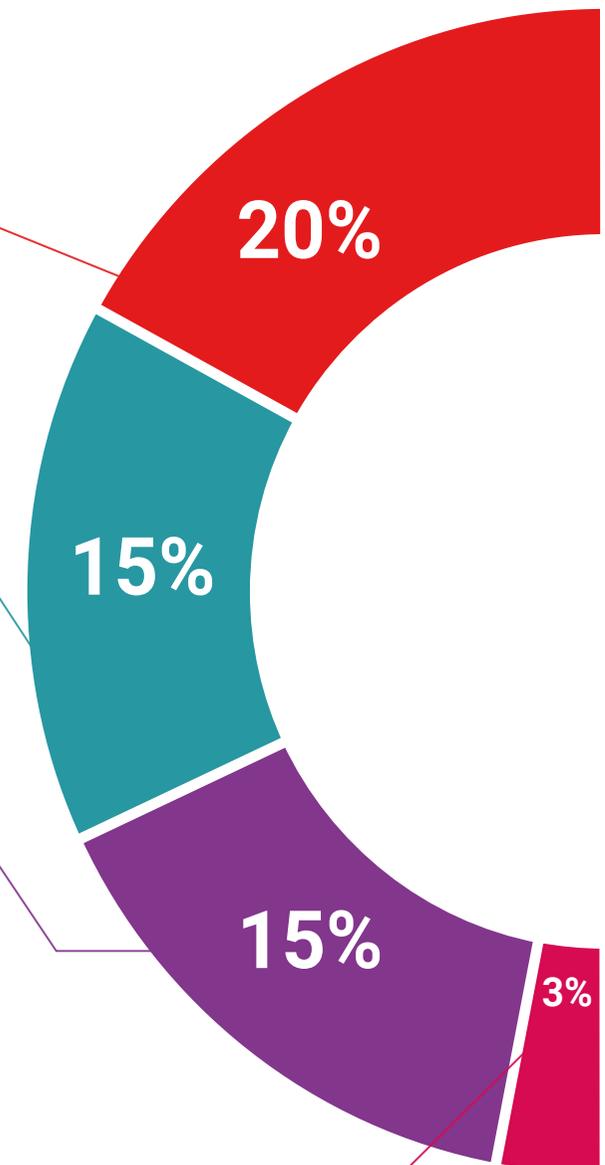
Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

Testing & Re-Testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our difficult future decisions.

Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.

Certificate

The Postgraduate Certificate in Nutrition in Neurological Diseases and Other Special Situations guarantees you, in addition to the most rigorous and up-to-date training, access to a qualification issued by TECH Global University.

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

This program will allow you to obtain your **Postgraduate Certificate in Nutrition in Neurological Diseases and Other Special Situations** 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** title 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 Nutrition in Neurological Diseases and Other Special Situations**

Modality: **online**

Duration: **6 weeks**

Accreditation: **7 ECTS**

tech global university

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

Postgraduate Certificate in Nutrition in Neurological Diseases and Other Special Situations

This is a program of 175 hours of duration equivalent to 7 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
Chancellor

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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