



Nutrition in Special Populations in Diet Therapy

» Modality: online

» Duration: 6 months

» Certificate: TECH Global University

» Credits: 18 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-nutrition-special-populations-diet-therapy

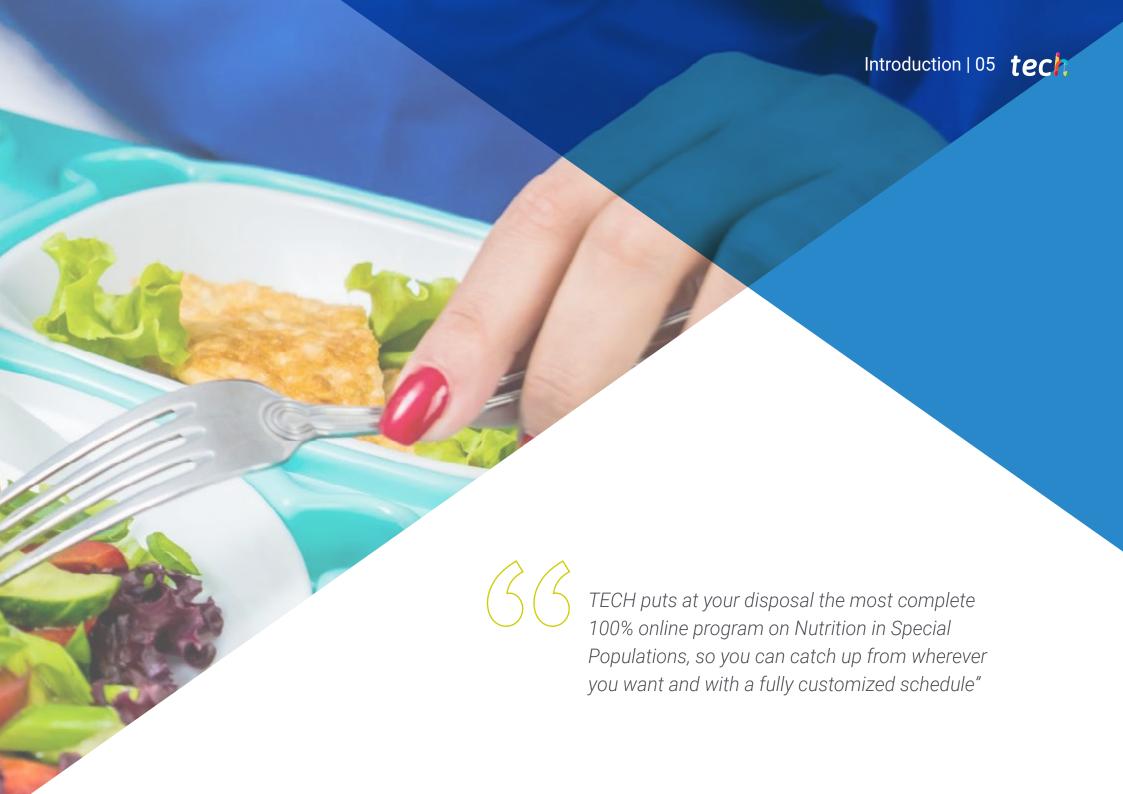
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tech 06 | Presentación

Proper nutrition is key to keep the organs in good working order and, therefore, to have a strong immune system. Numerous studies have shown that foods such as pineapple or blueberries are beneficial for the kidneys, however, those rich in salt or artificial sweeteners can reduce their functionality and become one of the causes of kidney failure. The same is true for the rest of the organism. For this reason, the medical specialist must know in detail the scientific advances made in nutrition and their implication in the patient's health, in order to be able to offer personalized diets according to the requirements of the person's pathology.

The Postgraduate Diploma in Nutrition in Special Populations in Diet Therapy is a program that aims to serve as a guide in its update, providing an updated and comprehensive knowledge on the latest developments in nutrition in medicine. This is a program that delves into nutrition in renal, hepatic, pancreatic, nervous system and oncological diseases, with special emphasis on its recommendations and the personalization of nutritional treatments according to the patient.

A program developed over 6 months, designed by experts in Endocrinology and Nutrition and distributed in 450 hours of the best theoretical, practical and additional material presented in different formats. Moreover, it is delivered in a convenient 100% online format that will allow the graduate to connect to the virtual classroom and enjoy this academic experience from any device with an internet connection, from any place, at any time of the day.

This **Postgraduate Diploma in Nutrition in Special Populations in Diet Therapy** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- The development of practical cases presented by experts in Nutrition and Endocrinology
- 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 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



Access the world's largest Online Medical School and become a member of an international community of specialists who continually share advances, ideas, etc."



You will be able to review enzymatic activity, metabolism, filtration and diuresis, updating your ideas according to the scientific advances that have been made in this area"

The program's teaching staff includes professionals from the sector 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 student will be assisted by an innovative interactive video system created by renowned and experienced experts.

A great opportunity to catch up 100% online on the modulation of the intestinal microbiota in renal, pancreatic and hepatic pathologies.

You will delve into the latest developments related to nutrition in the prevention of cognitive impairment, dementia and Alzheimer's disease.







tech 10 | Objectives



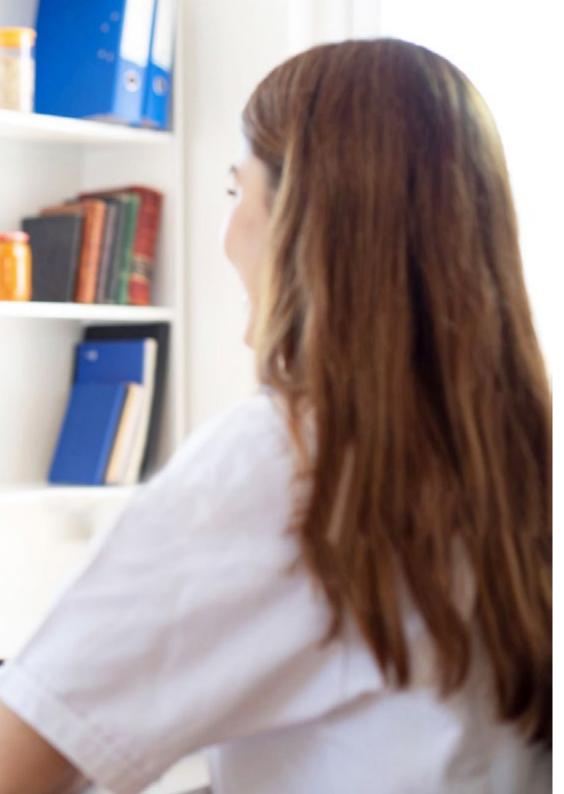
General Objectives

- Broaden knowledge and incorporate advanced and innovative knowledge in food and nutrition in the daily clinical practice of the Dietitian-Nutritionist
- Revise the fundamental aspects of healthy eating, with a current approach aimed at risk prevention
- Delve into the correct management of daily nutrition
- Examine the most common syndromes and symptoms related to nutritional problems



You can choose which aspects of the syllabus to study in depth in a completely personalized way, thanks to the amount of additional material you will find in the virtual classroom"







Specific Objectives

Module 1. Nutrition in Renal, Hepatic and Pancreatic Diseases

- Update knowledge of renal, hepatic and pancreatic functions and pathologies, and their relationship with nutrition
- Assess clinical cases, application tools in nutrition consultation
- Plan nutritional treatments based on scientific evidence and assessment of evolution

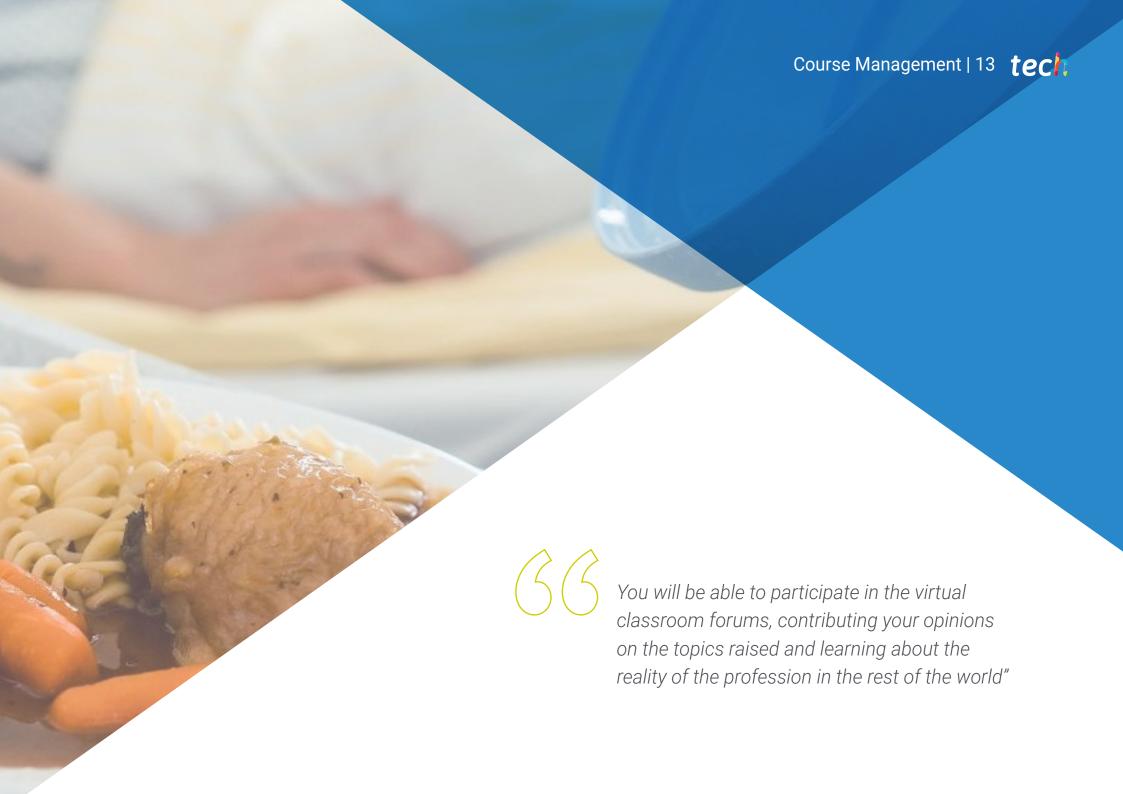
Module 2. Nutrition in Nervous System Pathologies

- Update on the scientific evidence of the relationship between nervous system pathologies and nutrition
- Assess the patient's needs and difficulties, in addition to an adequate assessment of the nutritional status
- Learn the main psychological aspects of patients with alterations of behavioral disorders

Module 3. Oncology Patient Nutrition

- Know how this pathology affects the nutritional level, from the organic, psychological and metabolic point of view
- Identify malnutrition in the context of a neoplastic disease as the only pathology or in the pluripathological patient, as well as to prevent them
- Personalize the nutritional treatment, covering the needs of the patient in antineoplastic treatment, and/or surgeries



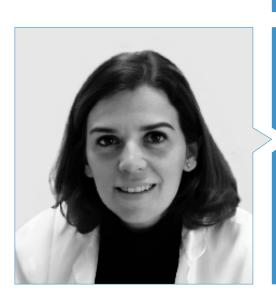


Management



Dr. Vázquez Martínez, Clotilde

- Corporate Head University Hospital Endocrinology and Nutrition Departments, Jiménez Díaz La Foundation
- Head of the Endocrinology and Nutrition Department at Ramón y Cajal Hospital (Madrid) and Severo Ochoa Hospital, Leganés
- President of La SENDIMAD (Society of Endocrinology, Nutrition, and Diabetes of the Community of Madrid)
- Coordinator Therapeutic Education Group Group of the Spanish Society of Diabetes
- Doctorate from the Faculty of Medicine at the Autonomous University of Madrid
- Degree in Medicine and Surgery from the Faculty of Medicine of the University of Valencia
- Specialist in Endocrinology and Nutrition via Medical Residency at the Jimenez Díaz Foundation
- Abraham García Almansa Clinical Nutrition Lifetime Achievement Award
- Recognized among the 100 best Doctors in Spain according to Forbes list
- Castilla La Mancha Diabetes Foundation (FUCAMDI) Diabetes and Nutrition Lifetime Achievement Award



Dr. Montoya Álvarez, Teresa

- Head of the Endocrinology and Nutrition Service of the Infanta Elena University Hospital
- Head of Volunteering at the Garrigou Foundation
- Degree in Medicine and Surgery from the University of Navarra
- Master in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos
- Course in Bariatric Antecedents of Surgery Patient Emergencies: Key References for the Attending Physician
- Member of: Institute for Health Research Foundation Jiménez Díaz, Health Commission of FEAPS Madrid and Trisomy 21 Research Society



Dr. Sánchez Jiménez, Álvaro

- Specialist in Nutrition and Endocrinology at Jiménez Díaz Foundation HU
- Nutritionist at Medicadie
- Clinical Nutritionist specialized in prevention and treatment of obesity, diabetes and their comorbidities
- Nutritionist in the Predimed Plus Study
- Nutritionist at Eroski
- Nutritionist at Axis Clinic
- Professor on the Master's Degree in in Obesity and its Comorbidities. Rey Juan Carlos University
- Professor at the Course of Excellence in Obesity at the Fundación Jimenez Díaz Hospital Novo Nordisk
- Graduate in Human Nutrition and Dietetics from the Complutense University of Madrid
- · Nutrition in the elderly, Complutense University of Madrid
- · Nutrition and Sport for Professionals, Tripartite Foundation
- Refresher course on practical type 1 and 2 diabetes for healthcare professionals

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Professors

Mr. Martínez Martínez, Alberto

- Nutritional Advisor at Santiveri
- Dietitian responsible for the menu of children with food allergy. Gastronomic
- Dietician- Clinical Nutritionist at the University Hospital Antonio
- Degree in Human Nutrition and Dietetics. Fluminense Federal University
- Graduate in Human Nutrition and Dietetics at the University of Valencia
- Master's Degree in Agri-environmental and Agri-food Sciences. Autonomous University of Madrid

Dr. Sanz Martínez, Enrique

- Clinical Nutritionist at the University Hospital General de Villalba and Rey Juan Carlos University Hospital
- Dietitian in the project PLUS researcher in the Health Research Institute of the Jiménez Diaz Foundation
- Researcher and collaborator in the NUTRICOVID study
- Researcher and collaborator in the cross-sectional prospective OBESTIGMA study
- Graduate in Human Nutrition and Dietetics at the Complutense University of Madrid
- Master's Degree in Clinical Nutrition at the Catholic University of San Antonio in Murcia
- Master in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos

Dr. González Toledo, Beatriz María

- Nurse expert in Hemodialysis and Nutrition and Health
- Nephrology Nurse Unit of the Fundación Jiménez Díaz Hospital
- Nurse Director of Dialysis at the Íñigo Álvarez de Toledo Renal Foundation
- Master's Degree in Hemodialysis for Nurses at the Complutense University of Madrid
- Master's Degree in Nutrition and Health at the Open University of Catalonia
- Graduate in Nursing from the Autonomous University of Madrid
- Postgraduate Diploma in Peritoneal Dialysis for Nurses at Cardenal Herrera University

Ms. Yela Salguero, Clara

- Dietitian Coordination of Clinical Trials
- Dietician at the Fundación Jiménez Díaz Hospital
- Clinical Trials Coordinator at the Ramón y Cajal Hospital
- Dietitian at the Severo Ochoa Hospital, in Leganés
- Dietitian in the Integral Obesity Treatment Unit at the San José Hospital in Madrid
- Postgraduate Certificate in Human Nutrition and Dietetics at Alfonso X El Sabio University
- Degree in Food Science and Technology at the Complutense University of Madrid

Dr. Prieto Moreno, Ana

- Nutritionist in the Department of Endocrinology and Nutrition at Hospital
- University Foundation Jimenez
- Nutritionist at the General Hospital of Villalba
- Nutritionist at the Infanta Elena University Hospital
- Nutritionist in the Superior Sports Council
- Nutritionist at WWF
- Nutritionist at Medicadiet
- Nutritionist at Sanitas Sociedad Anónima de Seguros
- Nutritionist at La Paz University Hospital
- Nutritionist at the Mapfre Foundation
- Nutritionist at Copernal Publishing
- Nutritionist at Diabetes Magazine
- Master in Obesity and its Comorbidities, Prevention Strategies, Diagnosis and Integral Treatment at the University of Alcalá
- Master in Physical Anthropology, Human Evolution and Biodiversity at the Complutense University of Madrid
- Degree in Human Nutrition and Dietetics at the Autonomous University of Madrid

Dr. Hoyas Rodríguez, Irene

- Specialist in Endocrinology and Nutrition
- Specialist in Endocrinology and Nutrition at the Fundación Jiménez Díaz and Infanta Elena Hospitals
- Specialist in Endocrinology and Nutrition at the Beata María Ana Hospital
- Specialist in Endocrinology at the University Hospital 12 de Octubre
- Degree in Medicine from the Complutense University of Madrid
- Postgraduate course in Treatment of Diabetes Mellitus Type 2 at the Autonomous University of Barcelona

Ms. López Escudero, Leticia

- Nutritionist at Diet La Clinic
- Clinical Dietician and Nutritionist at La Hospital university Fundación Jiménez Díaz
- Dietician and Clinical Nutritionist at the University Hospital Infanta Elena
- Lecturer in graduate studies Degree in Human Nutrition and Dietetics
- Graduate in Human Nutrition and Dietetics at the Complutense University of Madrid
- Master in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos
- Master's Degree in Nutrition in Physical Activity and Sport, Open University of Catalunya (UOC)

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Dr. Modroño Móstoles, Naiara

- Specialist in Endocrinology
- Doctor Specialist in Pediatric Endocrinology and Nutrition at the Foundation Jimenez Diaz Hospital
- Doctor Specialist in Endocrinology the Infanta Elena University Hospital
- Doctor Specialty in Endocrinology at the University Hospital of Getafe
- Author of various articles published in scientific journals
- Postgraduate Certificate in Treatment of Diabetes Mellitus Type 2 at the Autonomous University of Barcelona

Ms. Labeira Candel, Paula

- Clinical nutritionist in the Bariatric Endoscopy Unit at HM Hospitales
- Sports and clinical nutritionist at the Clinic, Instituto de Sobrepeso y Obesidad
- Nutritionist Sports and Clinical at Medicadiet, Slimming & Nutrition
- Sports Nutritionist at CF TrivalValderas of Alcorcón
- Food and water quality analyst in the Andalusian Health Service
- Diploma in Human Nutrition and Dietetics at the Pablo Olavide University of Seville
- Bachelor 's Degree in Food Science and Technology
- Diploma in Human Nutrition and Dietetics
- Master's Degree in Sports Training and Nutrition at the European University of Madrid







Ms. Manso del Real, Paula

- Deputy Director of Nursing at the Íñigo Álvarez de Toledo Renal Foundation
- Nursing Supervisor of the Dialysis Unit of the Íñigo Álvarez de Toledo Renal Foundation
- Nephrology Nurse at the Nephrology Unit of the Fundación Jiménez Díaz University Hospital
- Diploma in Nursing at the Francisco de Vitoria University
- Degree in International Cooperation and Health Promotion at the Francisco de Vitoria University
- Degree in International Cooperation and Health Promotion at the Francisco de Vitoria University
- Master's Degree in Hemodialysis for Nurses at the Complutense University of Madrid



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"



tech 22 | Structure and Content

Module 1. Nutrition in Renal, Hepatic and Pancreatic Diseases

- 1.1. Nutrients
 - 1.1.1. Enzymatic Activity, Metabolism, Filtration and Diuresis
- 1.2. Habits, Risks, Previous and Causative Comorbidities, and Assessment of Feeding Habits
- 1.3. Nutrition in CKD: Predialysis
- 1.4. Nutrition in CKD: Dialysis: Renal Transplantation
- 1.5. Diabetic Nephropathy
- 1.6. Renal Lithiasis
- 1.7. Pancreatic Insufficiency
- 1.8. Non-Alcoholic Hepatic Steatosis, Fibrosis, Hepatic Cirrhosis and Vesicular Lithiasis
- 1.9. Modulation of the Intestinal Microbiota in Renal, Pancreatic and Hepatic Pathology
- 1.10. Psychological Aspects and Planning of Objectives and Consultations

Module 2. Nutrition in Nervous System Pathologies

- 2.1. Nutrition in the Prevention of Cognitive Impairment, Dementia and Alzheimer's Disease
- 2.2. Nutrition and Psychoaffective Pathologies
 - 2.2.1. Depression
 - 2.2.2. Bipolar Disorder
- 2.3. Pathologies with Altered Eating Behavior
 - 2.3.1. Schizophrenia
 - 2.3.2. Borderline Personality Disorder
- 2.4. Eating disorder
 - 2.4.1. Anorexia
 - 2.4.2. Bulimia
 - 2.4.3. BED
- 2.5. Nutrition in Degenerative Pathologies
 - 2.5.1. Multiple Sclerosis
 - 2.5.2. Amyotrophic Lateral Sclerosis
 - 2.5.3. Muscular Dystrophies



- 2.6. Nutrition in Pathologies with Uncontrolled Movement
 - 2.6.1. Parkinson's Disease
 - 2.6.2. Huntington's Disease
- 2.7. Nutrition in Epilepsy
- 2.8. Nutrition in Neuralgias
 - 2.8.1. Chronic Pain
- 2.9. Nutrition in Severe Neurological Injuries
- 2.10. Toxics, Bioactive Compounds, Intestinal Microbiota and their Relationship to Nervous System Diseases

Module 3. Oncology Patient Nutrition

- 3.1. Pathophysiology of Cancer
- 3.2. Relationship of Cancer with Eating Habits and Potential Carcinogens
- 3.3. Assessment of Nutritional Status in the Oncologic Patient
- 3.4. Nutrient-Antineoplastic Treatment Interaction
 - 3.4.1. Specific Changes in the Most Frequently Used Antineoplastic Agents
- 3.5. Psychological Aspects in the Patient and General Nutritional Recommendations in the Oncology Patient
- Nutrition in the Appetite and Swallowing Alterations Caused by the Pathology or Treatments
 - 3.6.1. Anorexia
 - 3.6.2. Dysgeusia
 - 3.6.3. Dysphagia
 - 3.6.4. Mucositis
 - 3 6 5 Xerostomia
- 3.7. Nutrition in Digestive Disorders Caused by Pathology or Treatments
 - 3.7.1. Malabsorption
 - 3.7.2. Diarrhea
 - 3.7.3. Dysbiosis
 - 3.7.4. Constipation

- 3.8. Nutrition in Metabolic Alterations Caused by the Pathology: Cachexia
- 3.9. Nutrition Before and After Oncological Surgery
 - 3.9.1. Head and Neck
 - 3.9.2. Esophageal
 - 3.9.3. Gastric
 - 3.9.4. Pancreaticobiliary
 - 3.9.5. Small and Large Intestine
- 3.10. Hospital Nutrition
 - 3.10.1. Oral
 - 3.10.2. Enteral
 - 3.10.3. Parenteral



A versatile, comfortable option adapted to your academic and professional needs to get up to date in Diet Therapy, making the most of the 6 months of qualification"





tech 26 | Methodology

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:

- 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.



Methodology | 29 tech

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.



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.



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 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.









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This program will allow you to obtain your **Postgraduate Diploma in Nutrition in Special Populations in Diet Therapy** 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 Diploma in Nutrition in Special Populations in Diet Therapy

Modality: online

Duration: 6 months

Accreditation: 18 ECTS



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

Postgraduate Diploma in Nutrition in Special Populations in Diet Therapy

This is a program of 450 hours of duration equivalent to 18 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



^{*}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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Postgraduate Diploma

Nutrition in Special Populations in Diet Therapy

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

