

# Postgraduate Certificate

## Nutrition in the Oncologic Patient





## Postgraduate Certificate Nutrition in the Oncologic Patient

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

Website: [www.techtitute.com/in/psyiotherapy/postgraduate-certificate/nutrition-ocnologic-patient](http://www.techtitute.com/in/psyiotherapy/postgraduate-certificate/nutrition-ocnologic-patient)

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Certificate

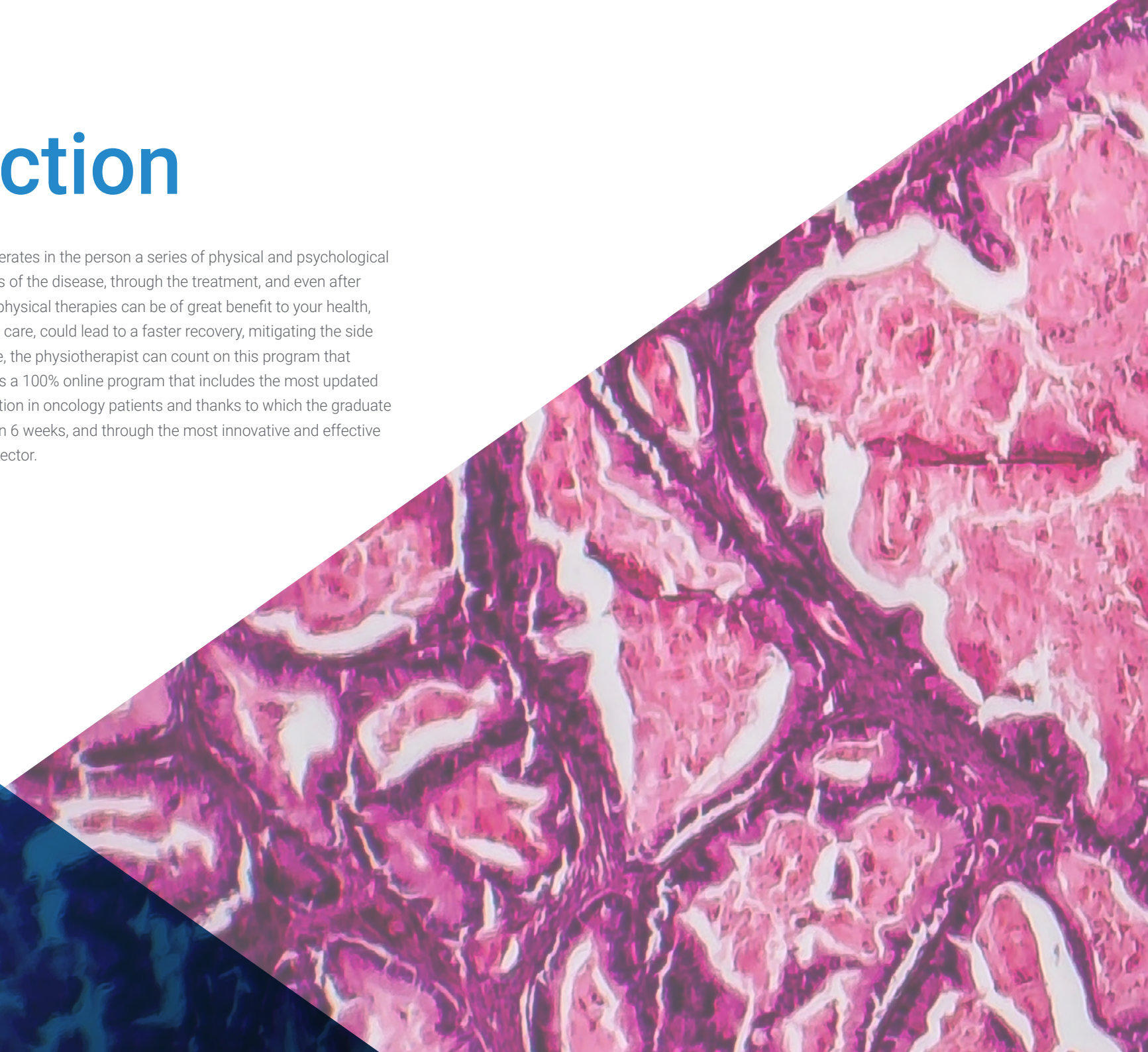
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# 01

# Introduction

The suffering of any type of cancer generates in the person a series of physical and psychological sequelae that extend from the diagnosis of the disease, through the treatment, and even after overcoming it. In these types of cases, physical therapies can be of great benefit to your health, which added to a specialized nutritional care, could lead to a faster recovery, mitigating the side effects. To achieve a service of this type, the physiotherapist can count on this program that TECH has adapted to their specialty. It is a 100% online program that includes the most updated and austere information related to nutrition in oncology patients and thanks to which the graduate will be able to get up to date, in less than 6 weeks, and through the most innovative and effective academic technology in the university sector.





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*A program with which you will be able to implement in your practice the most innovative and beneficial nutritional strategies for patients who suffer or have suffered from any type of cancer”*

The consequences caused by the suffering of any type of cancer in the patient, not only related to the disease itself, but also to its treatment and therapeutic approach, are, in most situations, devastating for their health. This is because it is a pathology that alters their organism, affecting, among other aspects, their metabolism and their physical condition. For this reason, the intervention of the physiotherapy professional in these cases is essential, which, if he also handles in detail the nutritional planning, can be a great help to the patient.

For all those specialists in this area who want to implement in their practice the most innovative and effective food strategies of today, TECH has designed this very complete and austere program in Nutrition in the Oncology Patient. It is an innovative, modern and multidisciplinary program that delves into the pathophysiology of the disease and how it affects eating habits, focusing on techniques for nutritional assessment and recommendations for proper planning and adapted to each case.

All this through 150 hours of theoretical, practical and additional content 100% online, which includes dynamic summaries of each unit, complementary readings, research articles, self-knowledge exercises, images, detailed videos and real clinical cases. In addition, you will have the support of a teaching team versed in Diet Therapy and Endocrinology, so that you can get the most out of this academic experience.

This **Postgraduate Certificate in Nutrition in the Oncologic Patient** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ♦ 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



*TECH presents this Postgraduate Certificate as a unique opportunity to get up to date with oncological nutrition in a 100% online way and in only 150 hours of the best content"*

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*You will be able to delve into anorexia, dysgeusia, dysphagia and mucositis, appetite alterations that occur during cancer, focusing on them and knowing in detail the plans for their treatment"*

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 students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*A perfect program to know in detail the relationship between cancer and eating habits and the novelties for its nutritional treatment.*

*You will have up to 6 weeks to enjoy all the content that TECH will make available to you if you enroll in this Postgraduate Certificate.*



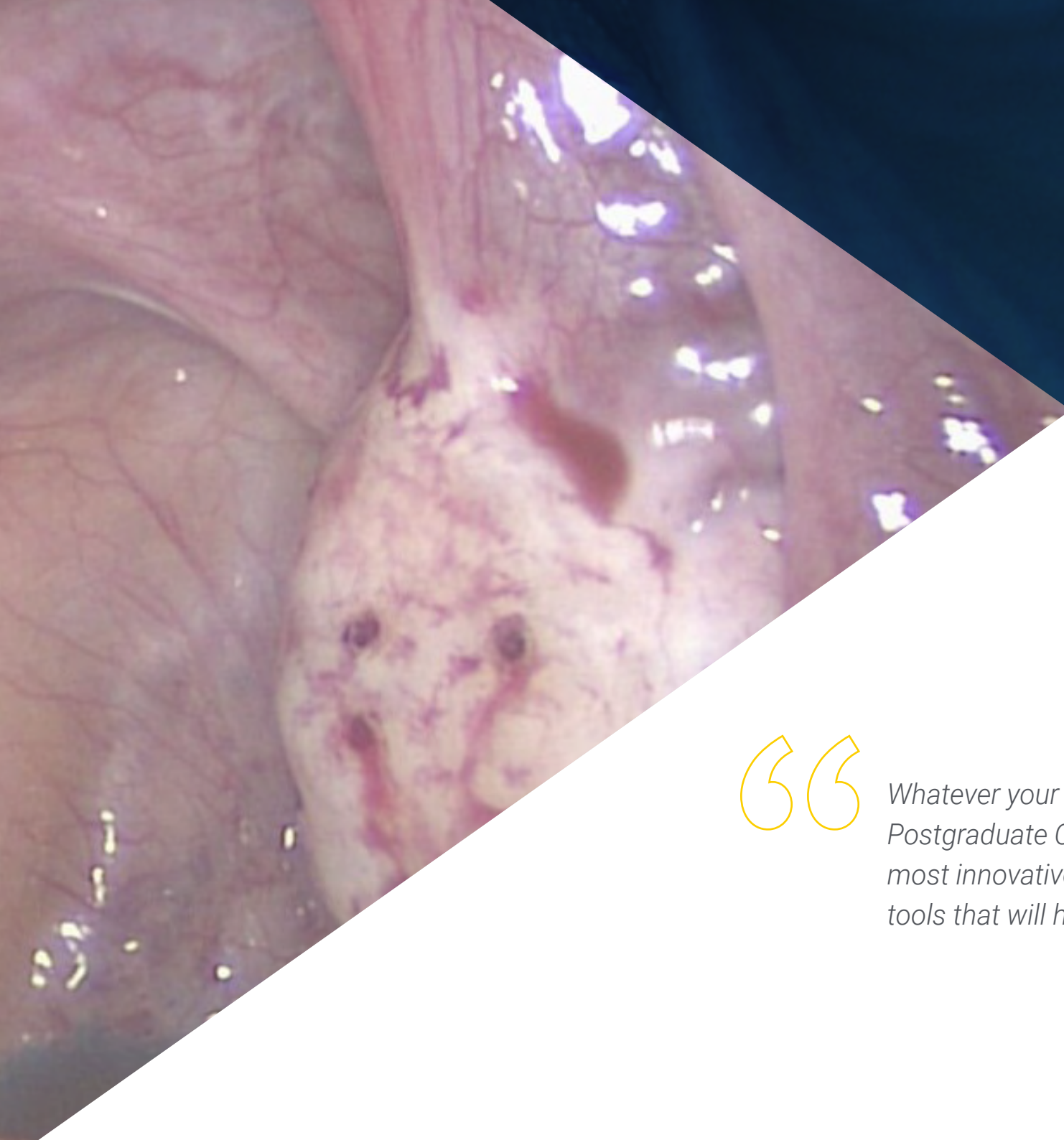
# 02

## Objectives

The great benefit that a combined treatment that employs physical therapies of physiotherapy with personalized nutritional management can bring to an oncological patient is what makes the course of this program necessary for any professional in this area. For this reason, the objective of this program is to provide the graduate with the latest and most exhaustive information related to Diet Therapy and Endocrinology in people with cancer, so that they can implement strategies in their practice in this sense, improving their service and guaranteeing a more austere and beneficial care.







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*Whatever your goals are, in this Postgraduate Certificate you will find the most innovative and effective academic tools that will help you achieve them"*



## General Objectives

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- ♦ Develop a broad, exhaustive, specialized and updated knowledge about nutrition in oncology patients and in the different phases of their treatment
- ♦ Understand the nutritional needs of this type of patients in order to be able to establish personalized food plans for each one



*A program created to exceed expectations that includes new developments related to the importance of psychological aspects in the patient and nutritional recommendations for each case"*





## Specific Objectives

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- 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

# 03

# Course Management

TECH has selected for this Postgraduate Certificate a group of professionals versed in the area of Diet Therapy and Endocrinology, with years of experience in the nutritional management of patients with different pathologies, among them, the different types of cancer. In addition, they are active professionals who know in detail the strategies and techniques that have obtained the best results so far, something that they will no doubt share with the graduates of this intensive and dynamic program.



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*What happens if you have any doubts? Well, you will have the possibility of individualized tutorials to solve them"*

## Management



### Dr. Sánchez Jiménez, Álvaro

- ♦ Specialist in Nutrition and Endocrinology at Jiménez Díaz Foundation University Hospital
- ♦ Nutritionist at Medicadiet
- ♦ 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 of the Master's Degree in Obesity and Comorbidities at the Rey Juan Carlos University
- ♦ Professor at the Course of Excellence in Obesity at the University Hospital Fundación Jimenez Díaz
- ♦ Graduate in Human Nutrition and Dietetics from the Complutense University of Madrid
- ♦ Nutrition and Food for the Elderly by the Complutense University of Madrid
- ♦ Nutrition and Sports for Professionals by the Fundación Tripartita
- ♦ Refresher Course on Practical Diabetes Type 1 and 2 for Health Professionals



### **Dr. Vázquez Martínez, Clotilde**

- Corporate Head in the University Hospital Endocrinology and Nutrition Departments, Fundación Jiménez Díaz
- Head of the Endocrinology and Nutrition Service at Ramón y Cajal University Hospital
- Head of the Endocrinology and Nutrition Service at Severo Ochoa University Hospital
- President of The Society of Endocrinology, Nutrition, and Diabetes of the Community of Madrid SENDIMAD ()
- Coordinator Therapeutic Education Group Group of the Spanish Society of Diabetes
- Doctor of the Faculty of Medicine of 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 by the University Hospital Fundación Jimenez Díaz
- 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
- ♦ Graduate in Medicine and Surgery from Universidad de Navarra
- ♦ Master's Degree 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

## Professors

### Mr. Martínez Martínez, Alberto

- ♦ Clinical Nutrition in the Endocrinology and Nutrition Service of the HU Infanta Elena
- ♦ Clinical Nutritionist of Endocrinology and Nutrition Department of the university Rey Juan Carlos Hospital
- ♦ 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's Degree in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos





**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 in Treatment of Diabetes Mellitus Type 2 by the Autonomous University of Barcelona

**Ms. Yela Salguero, Clara**

- ◆ Dietitian Coordination of Clinical Trials
- ◆ Dietician at the Jiménez Díaz Foundation 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
- ◆ Diploma in Human Nutrition and Dietetics at Alfonso X El Sabio University
- ◆ Degree in Food Science and Technology at the Complutense University of Madrid

# 04

## Structure and Content

Given the current demand for Physiotherapy professionals who also have mastered the new developments related to the area of Nutrition, the elaboration of this program had to be done in a meticulous manner and with the guarantee that the graduate who would access it could know in detail the latest scientific evidence in a guaranteed way. For this reason, we have used the most effective and dynamic pedagogical methodology has been used in its development, as well as the best theoretical, practical and additional content which can be accessed for 6 weeks and 100% online.



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*The use of the Relearning methodology in the development of this program will allow you to save hours of memorization without renouncing to an updated, austere and exhaustive acquisition of knowledge”*

## Module 1. Oncology Patient Nutrition

- 1.1. Pathophysiology of Cancer
- 1.2. Relationship of Cancer with Eating Habits and Potential Carcinogens
- 1.3. Assessment of Nutritional Status in the Oncologic Patient
- 1.4. Nutrient-Antineoplastic Treatment Interaction
  - 1.4.1. Specific Changes in the Most Frequently Used Antineoplastic Agents
- 1.5. Psychological Aspects in the Patient and General Nutritional Recommendations in the Oncology Patient
- 1.6. Nutrition in the Appetite and Swallowing Alterations Caused by the Pathology or Treatments
  - 1.6.1. Anorexia
  - 1.6.2. Dysgeusia
  - 1.6.3. Dysphagia
  - 1.6.4. Mucositis
  - 1.6.5. Xerostomia
- 1.7. Nutrition in Digestive Disorders Caused by Pathology or Treatments
  - 1.7.1. Malabsorption
  - 1.7.2. Diarrhea
  - 1.7.3. Dysbiosis
  - 1.7.4. Constipation
- 1.8. Nutrition in Metabolic Alterations Caused by the Pathology: Cachexia
- 1.9. Nutrition Before and After Oncological Surgery
  - 1.9.1. Head and Neck
  - 1.9.2. Esophageal
  - 1.9.3. Gastric
  - 1.9.4. Pancreaticobiliary
  - 1.9.5. Small and Large Intestine
- 1.10. Hospital Nutrition
  - 1.10.1. Oral
  - 1.10.2. Enteral
  - 1.10.3. Parenteral





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*The perfect program to delve into the latest scientific evidence related to Nutrition before and after oncologic surgery is this one. Are you up for what will be the best academic experience of your career?”*

# 05 Methodology

This 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.





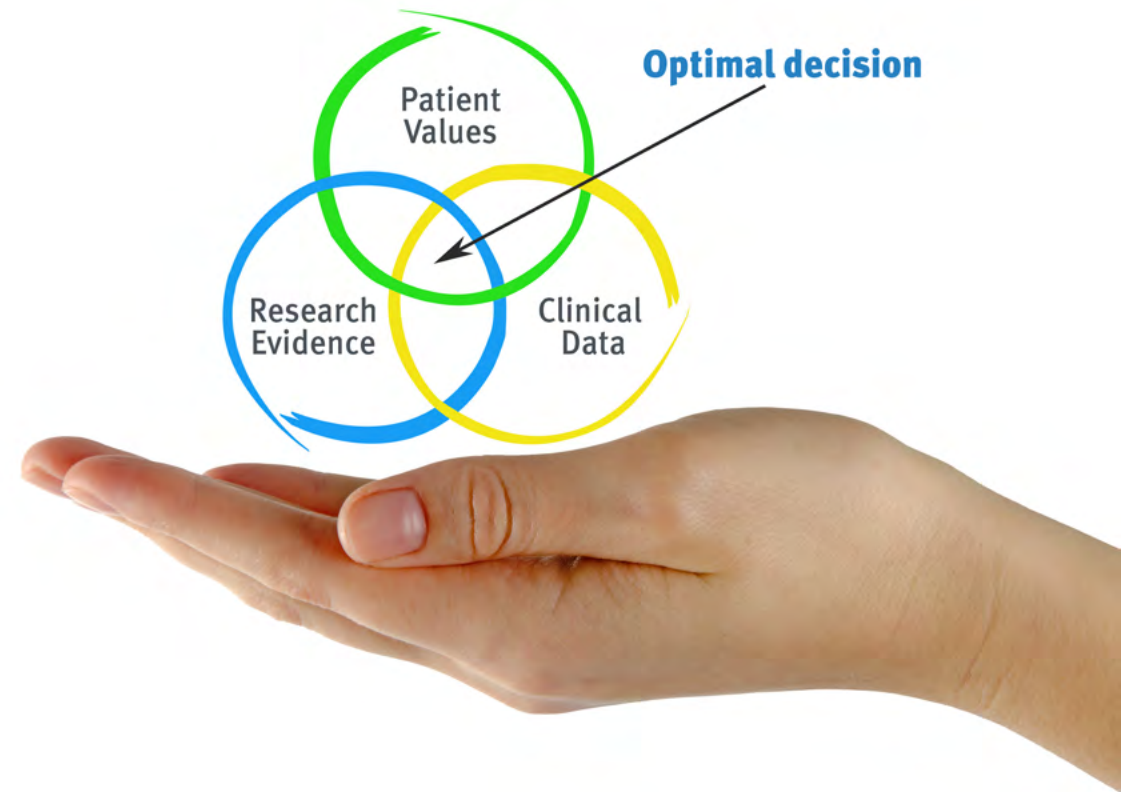
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”*

## At TECH, 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. Physiotherapists/kinesiologists 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 of professional physiotherapy 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. Physiotherapists/kinesiologists 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 physiotherapist/kinesiologist 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

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

*The physiotherapist/kinesiologist 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 enabled more than 65,000 physiotherapists/kinesiologists with unprecedented success in all clinical specialties, regardless of the workload. Our educational 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 education, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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 our 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 adapted in 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.



#### Physiotherapy Techniques and Procedures on Video

TECH brings students closer to the latest techniques, the latest educational advances and to the forefront of current Physiotherapy techniques and procedures. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, students can watch them as many times as they 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 assess and re-assess 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 the Oncologic Patient 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 the Oncologic Patient** contains the most complete and up-to-date scientific program 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 from career evaluation committees.

Title: **Postgraduate Certificate in Nutrition in the Oncologic Patient**

Official N° of Hours: **150 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

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present quality

online technologies

virtual classroom

**tech** technological  
university

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