

# Postgraduate Certificate

## Nutrition in Oncology Patients for Nursing



## Postgraduate Certificate Nutrition in Oncology Patients 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/in/nursing/postgraduate-certificate/nutrition-oncology-patients-nursing](http://www.techtute.com/in/nursing/postgraduate-certificate/nutrition-oncology-patients-nursing)

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# 01

# Introduction

The complex and aggressive treatments faced by patients suffering from any type of cancer cause their system to weaken, influencing the decrease of some parameters such as iron, hemoglobin or thyroid. This is why Nutrition is vital to try to counteract these imbalances, providing them with what they need to improve their health or to keep it from getting worse. This program, oriented to Nursing professionals, has been designed with the aim of bringing them up to date on the latest developments related to the nutritional treatment of these patients. All this through a convenient online degree with which they will be able to continue working while expanding their knowledge and perfecting their skills.



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*Patients suffering from cancer need the nutritional support that professionals like you can give them. Catch up with this Postgraduate Certificate and help them feel better”*

Every year millions of cases of cancer in its different forms are diagnosed around the world. For any person, this represents a radical change in their life, mainly due to the high mortality rates of this disease. Furthermore, the vast majority of treatments are aggressive and seriously affect the patient's health, weakening them and causing comorbidities afterwards. In these cases, nutrition becomes a fundamental weapon to combat side effects, since a diet rich in certain foods can help counteract the energy loss caused by chemo or radiotherapy.

That is why the specialist who is dedicated to this area must know in detail the latest developments related to the nutritional needs of these people, aspects that can be worked on with this Postgraduate Certificate in Nutrition in Oncology Patients for Nursing. This is a program that delves into the pathophysiology of cancer and in its relationship with eating habits, as well as in the latest scientific evidence related to the aspects to take into account when assessing the nutritional status of the cancer patient. In addition, it delves into the personalization of plans based on the alterations that the person is suffering.

It is a unique academic opportunity to take a program 100% online from anywhere and with a schedule completely personalized to the availability of the graduate. In addition, you can access the Virtual Classroom from any device with an internet connection, whether mobile, PC or tablet, and download all of the content from the start of the program. This way you can consult the syllabus and additional material, also, when it is not covered and even when you have completed the degree.

This **Postgraduate Certificate in Nutrition in Oncology Patients for Nursing** 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 self-assessment can be used 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



*The psychological aspects of the patient also interfere with their nutritional needs, so with this Postgraduate Certificate you will be able to update yourself on the aspects to take into account"*

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*Access the Virtual Classroom whenever you want and from any device with an internet connection will allow you to adapt the course of this program completely to your time and professional availability”*

*A unique opportunity to take a degree adapted to you and your academic and time-space needs.*

*You will work on the news that relates cancer and nutritional imbalance, so that you can further personalize your nutritional plans.*

The program includes, in its teaching staff, professionals from the sector who contribute to this training with their work experience, as well as renowned specialists from reference 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.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For , this purpose students will be assisted by an innovative interactive video system developed by renowned experts.



# 02 Objectives

The latency of cancer in today's society and the nutritional needs of patients who suffer from it is what has made TECH consider it necessary to design a program that collects the most up-to-date information related to nutrition adapted for these people. That is why the objective of this Postgraduate Certificate is for the graduate to find in it a guide with which they can exhaustively update their knowledge while perfecting their skills as a Nursing professional, without neglecting their consultation.





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*Invest your time in this program will not only make you an even more prepared professional, but also more committed to the health of your patients”*



## General Objectives

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



*A Postgraduate Certificate endorsed by TECH and by hundreds of thousands of students who each year choose to this university to get up to date and achieve their goals more ambitious in less time than they believe"*





## 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

The teaching team that TECH has selected for this Postgraduate Certificate is made up, according to their letters of recommendation, of specialists who are characterized, above all, by their human quality and their commitment to the profession, aspects that will be clearly reflected in the exhaustiveness and the thoroughness with which the syllabus and additional material of this program has been designed. Furthermore, his experience in Endocrinology, Nutrition and Dietetics will serve as a guide for the graduates being more practical and based on the immediate reality of the sector.





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*A team of professionals in Endocrinology, Nutrition and Dietetics will be at your disposal to guide you and help you get the most out of this Postgraduate Certificate”*

## Management



### Dr. Vázquez Martínez, Clotilde

- Corporate Head in the University Hospital Endocrinology and Nutrition Departments, Jiménez Díaz La Foundation
- Head of the Endocrinology and Nutrition Service at Móstoles University Hospital
- Head of the Endocrinology and Nutrition Service at Móstoles University Hospital
- President of La Society of Endocrinology, Nutrition, and Diabetes of the Community of Madrid SENDIMAD ()
- 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 Pediatric Endocrinology and Nutrition at the university Foundation Jimenez Díaz Hospital
- 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. Sánchez Jiménez, Álvaro**

- ◆ Specialist in Nutrition and Endocrinology at Jiménez Díaz Foundation Hospital university
- ◆ 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, Master's Degree in Obesity and comorbidities, Rey Juan Carlos University
- ◆ Professor of the Excellence Course in Obesity at the Jiménez Díaz Foundation University Hospital
- ◆ 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



### 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 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, Trisomy 21 Research Society

## Professors

### 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. Martínez Martínez, Alberto

- ♦ 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 Díaz 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. 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

# 04

## Structure and Content

The success of TECH lies not only in the quality of its degrees, but in the innovative aspect of each of them, which allows its students to update and expand their knowledge in a dynamic and entertaining way, far from the strategies of traditional teaching based on purely theoretical and, sometimes, obsolete syllabuses. Furthermore, these are programs in which, thanks to the use of more effective pedagogical techniques, it is possible to reduce the teaching load without giving up to the exhaustiveness of the content, in such a way that graduates end their academic experience having acquired the best information without needing of investing long and tedious hours of study.





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*The program also includes a specific module dedicated to hospital nutrition, so that you can update your knowledge in this field and apply it in your work environment”*

## 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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*In order to help you perfect your skills in a practical way, in the Virtual Classroom you will find real clinical cases in which you can apply your nutritional strategies and check if they correspond to the appropriate ones”*

# 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 Oncology Patients 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 Oncology Patients 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 Oncology Patients for Nursing**

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  
development languages  
virtual classroom



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Nutrition in Oncology  
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Nutrition in Oncology

Patients for Nursing

