

# Postgraduate Certificate

Nursing Approach to Nutrition  
and Post-Surgical Care of the  
Oncology Patient





## Postgraduate Certificate

### Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient

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

Website: [www.techtute.com/us/nursing/postgraduate-certificate/nursing-approach-nutrition-post-surgical-oncology-patient](http://www.techtute.com/us/nursing/postgraduate-certificate/nursing-approach-nutrition-post-surgical-oncology-patient)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

Nutrition has become one of the most important allies in the health care of patients suffering from oncological diseases. An importance that is equally relevant in the field of post-surgical care in these patients. TECH Global University offers the possibility of acquiring the most complete knowledge in this field, with the quality of a high level training. The purpose of this program is to specialize the professional with a complete, global and practical learning process.





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*A complete program that will help you learn the main tools to provide Post-Surgical care to oncology patients”*

Malnutrition is a frequent problem that causes a large number of complications in cancer patients, reducing their quality of life and worsening their general condition. In order to deal with these types of cases, it is essential to know the causes and the factors involved in order to detect early the clinical manifestations that occur. Therefore, there are cases in the development of the oncological process where it is necessary to resort to artificial nutrition.

That is why TECH Global University has created this program in order to provide the medical professionals with all the study tools in order to acquire the competences that will allow them to adequately manage the different types of enteral and parenteral nutrition.

Likewise, in the final stage of life, the terminally ill patient will require a comprehensive and adapted nutritional assessment. In this context, the professional will learn to identify the patient's needs and implement the necessary interventions, which must be agreed and follow ethical principles.

Therefore, both the design of the program and the educational material used will facilitate the understanding of concepts, and the realization of practical cases will help to adapt what has been learned to clinical practice. In this way, the Postgraduate Certificate will provide immersive learning in order to prepare professionals in real situations of their daily professional practice.

This **Postgraduate Certificate in Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Oncology Nursing
- ♦ 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
- ♦ New developments on the Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient
- ♦ Practical exercises where self-assessment can be used to improve learning.
- ♦ Its special emphasis on innovative methodologies in the Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient
- ♦ 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



*Don't miss this opportunity to study in the biggest private online university"*

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*This Postgraduate Certificate is the best investment you can make in selecting a refresher program to update your knowledge in Oncology Nursing”*

Its teaching staff includes professionals from the field of nursing Dermatology, who bring their experience to this educational program, as well as renowned specialists from leading communities 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 specialist must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in Oncology Nursing with extensive experience.

*This program comes with the best educational material, providing you with a contextual approach that will facilitate your learning.*

*This 100% online Postgraduate Certificate will allow you to balance your studies with your professional work while increasing your knowledge in this field.*



# 02 Objectives

The Postgraduate Certificate in Oncology Nutrition and Post-Surgical Care of the Oncology Patient Nursing Approach is oriented to prepare health professionals in their daily work during the care of cancer patients, following the highest quality standards in the performance of their work.







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*Our goal is to help you succeed  
in your career”*



## General Objectives

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- ◆ Expand the professional's knowledge, facilitating the acquisition of advanced competencies that will enable them to provide specialized care to complex oncology patients
- ◆ Incorporate theoretical and pathophysiological fundamentals in nursing practice, assuming the particularities of pediatric, adult and elderly patients
- ◆ Define the specific competencies of the nursing professional in the field of oncology to increase effectiveness and efficiency in the organization and acquire coordination and management skills of the nursing team
- ◆ Design patient and family care plans integrating knowledge, attitudes and skills acquired during the program
- ◆ Apply the theoretical knowledge acquired in relation to the oncology patient and the management and administration of treatment, guaranteeing patient safety at all times
- ◆ Delve into the development of interpersonal relationships between the professional and the patient-family, as well as with the rest of the members of the multidisciplinary team
- ◆ Integrate emotional management strategies in the different stages of the disease process, incorporating the psychosocial and spiritual approach in the care and assuming death as a natural process in the terminal patient
- ◆ Acquire the necessary specialization to act with autonomy and provide the best care based on scientific evidence
- ◆ Implement research into routine nursing practice as a basis for professional development and effective and efficient management of complex cases





## Specific Objectives

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- ◆ Deepen in the relationship between nutrition and cancer
- ◆ Determine the pathophysiological basis of oncologic malnutrition and its causes
- ◆ Acquire the necessary knowledge to assess the nutritional status of the oncologic patient and prevent possible complications
- ◆ Identify the nutritional needs of the oncology patient and their approach
- ◆ Develop skills to perform a nutritional and pharmacological therapeutic approach in cases of altered intake
- ◆ Update the aspects related to the indications, access routes and complications of artificial nutrition (enteral and parenteral)
- ◆ Assess the nutritional needs of terminal patients and address them from an ethical perspective
- ◆ Describe the postsurgical care of the most frequent types of cancer
- ◆ Put into practice the techniques and nursing care in pulmonary rehabilitation and respiratory physiotherapy
- ◆ Recognize the different types of ostomies and their characteristics to provide quality care to the ostomized patient
- ◆ Demonstrate competence in the correct management of lymphedema as a complication of breast surgery

03

# Course Management

The program's teaching staff includes leading experts in Oncology Nursing who contribute their vast work experience to this educational program. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.



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*We have an excellent team of professionals who have come together to teach you the latest advances in Oncology Nursing”*

## Management



### Ms. Morán López, Marina

- Nurse in the Medical Oncology, General Surgery, Digestive and Traumatology
- Departments of the University Hospital Infanta Elena
- Nurse at the Valdemoro Medical Center and La Paz University Hospital



# Enteral Nutrition



# 04

## Structure and Content

The structure of the contents has been designed by the best professionals in the field of Oncology Nursing, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed and studied, and with extensive knowledge of new technologies applied to healthcare.





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*We have the most complete and up-to-date academic program in the market. We strive for excellence and for you to achieve it too”*

## Module 1. Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient

- 1.1. Nutrition in Cancer Prevention
  - 1.1.1. Dietary Carcinogenesis
  - 1.1.2. Food and Nutrients
  - 1.1.3. Risk Factors and Protective Elements
  - 1.1.4. Lifestyle
- 1.2. General Principles of Malnutrition in Oncology Patients
  - 1.2.1. Epidemiology of Malnutrition
  - 1.2.2. Pathophysiology
  - 1.2.3. Types of Malnutrition
  - 1.2.4. Causes of Malnutrition in Oncology Patients
    - 1.2.4.1. Tumor-Related
    - 1.2.4.2. Patient-Related
    - 1.2.4.3. Treatment-Related
  - 1.2.5. Clinical Manifestations of Malnutrition
    - 1.2.5.1. Tumor Cachexia
    - 1.2.5.2. Sarcopenia
- 1.3. Assessment of Nutritional Status
  - 1.3.1. Clinical Record and Subjective Nutritional Assessment
  - 1.3.2. Screening Tests
    - 1.3.2.1. Malnutrition Screening Tool
    - 1.3.2.2. Patient-Generated Subjective Global Assessment
  - 1.3.3. Anthropometric Measurements
  - 1.3.4. Biochemical Measurements



- 1.4. Nutritional and Pharmacological Approach
  - 1.4.1. General Recommendations
  - 1.4.2. Recommendations in Altered Intake Situations
    - 1.4.2.1. Anorexia
    - 1.4.2.2. Nausea and Vomiting
    - 1.4.2.3. Dysphagia
    - 1.4.2.4. Dysgeusia
    - 1.4.2.5. Oral Mucositis
    - 1.4.2.6. Xerostomia
    - 1.4.2.7. Dysphagia to Liquids and Solids
  - 1.4.3. Nutritional Supplements
  - 1.4.4. Pharmacotherapy
- 1.5. Enteral Nutrition
  - 1.5.1. Indications
  - 1.5.2. Access Routes
  - 1.5.3. Enteral Nutrition Formulas
  - 1.5.4. Complications
- 1.6. Parenteral Nutrition
  - 1.6.1. Indications
  - 1.6.2. Access Routes
  - 1.6.3. Types of Parenteral Nutrition
  - 1.6.4. Nutritional Requirements
  - 1.6.5. Complications
- 1.7. End-Of-Life Nutrition
  - 1.7.1. Nutritional Intervention
  - 1.7.2. Assisted Nutrition and Hydration
  - 1.7.3. Ethical, Cultural and Religious Aspects
- 1.8. Post-Surgical Care After Thoracic Surgery
  - 1.8.1. Pulmonary Rehabilitation
  - 1.8.2. Respiratory Physiotherapy
- 1.9. Care of Ostomized Patients
  - 1.9.1. General concepts
  - 1.9.2. Ostomies Classification
    - 1.9.2.1. Digestive Ostomies
      - 1.9.2.1.1. Digestive Ostomy Types
      - 1.9.2.1.2. Hygiene and Care
      - 1.9.2.1.3. Diet
      - 1.9.2.1.4. Psychological Aspects
      - 1.9.2.1.5. Complications
    - 1.9.2.2. Urinary Ostomies
      - 1.9.2.2.1. Types of Urinary Ostomy
      - 1.9.2.2.2. Hygiene and Care
    - 1.9.2.3. Ostomías respiratorias
      - 1.9.2.3.1. Types of Respiratory Ostomy
      - 1.9.2.3.2. Hygiene and Care
- 1.10. Post-Surgical Care After Breast Tumor Surgery
  - 1.10.1. Breast Cancer Surgery
    - 1.10.1.1. Psychological Impact
  - 1.10.2. Lymphedema
    - 1.10.2.1. Classification
    - 1.10.2.2. Epidemiology
    - 1.10.2.3. Etiology
    - 1.10.2.4. Clinical Manifestations
    - 1.10.2.5. Diagnosis
    - 1.10.2.6. Nursing Care



*This program will allow you to advance in your career comfortably”*

# 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. Gervas, 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 Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This program will allow you to obtain your **Postgraduate Certificate in Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient** 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 Nursing Approach to Nutrition and Post-Surgical Care of the Oncology Patient**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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