

# Postgraduate Certificate

## Oncology Nursing in the Pediatric and Elderly Patient





## Postgraduate Certificate Oncology Nursing in the Pediatric and Elderly 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/oncology-nursing-pediatric-elderly-patient](http://www.techtute.com/us/nursing/postgraduate-certificate/oncology-nursing-pediatric-elderly-patient)

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# 01

# Introduction

The approach to a disease with the physical and emotional impact of cancer requires a very special look at the stages of life in which fragility is greater: childhood and old age. At this time, the nursing professional must have all the necessary support resources to perform a complete and multidisciplinary intervention. This program has been created to give you the knowledge you need to achieve this, with fully updated and highly useful skills, protocols and knowledge.



A photograph of a nurse in a white coat, holding an IV drip in one hand and a syringe in the other. The nurse is wearing a stethoscope. The background is a light blue wall. The image is partially obscured by a large green diagonal graphic element.

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*The most up-to-date nursing resources for the care of children and elderly oncology patients, at your fingertips, with the highest quality in the educational market”*

This online program from TECH Global University is aimed at the nursing professional who works with oncology patients. This program is mainly aimed at learning about the particular characteristics of two types of patients: children and the elderly, who have specific characteristics and therefore require special care.

The diagnosis of cancer in the pediatric age is a great emotional impact for the patients and their families. Therefore, it is necessary to approach the situation from an integral perspective, providing the student with skills and strategies for its management. Communication will also be the basis for coping, which should be adapted to the patient's age and level of development.

The dying process in a pediatric patient forces a change in the perspective and orientation of care from curative to palliative. At this stage, providing care aimed at relieving symptoms and avoiding suffering is the main goal of nursing.

Pediatric cancer patients are at high risk of malnutrition. Adequate nutrition is essential to ensure an optimal nutritional status and the student should acquire the necessary skills to perform an adequate assessment of the patient's characteristics and age, as well as the ability to develop early interventions to prevent a worsening of the disease.

On the other hand, the elderly patient presents specific characteristics that condition highly complex care. It will be the responsibility of nursing to carry out a comprehensive assessment that will allow a specific approach to their needs. Likewise, oncologic pain is a very frequent symptom in geriatric patients that, due to its particularities, requires multidimensional management to ensure a good quality of life. It is essential for the student to detect early its manifestations and put in place the appropriate mechanisms for its resolution.

The up-to-date contents of this program and its integrative approach will result in a comprehensive view on all aspects related to oncology nursing. The contents will provide a journey through the diverse needs of cancer patients, whose particularities require personalized attention.

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, this educational program will provide immersive learning in order to prepare professionals for real situations in their daily professional practice.

This **Postgraduate Certificate in Oncology Nursing in the Pediatric and Elderly 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
- ♦ Latest information on oncology nursing in the pediatric and elderly patient
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Special emphasis on innovative methodologies in oncology nursing in the pediatric and elderly 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 Nursing in the Pediatric and Elderly Patient 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 education 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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- ◆ Determine the prevalence of cancer in pediatric age and become familiar with the most frequent tumors
- ◆ Describe the main treatments in children and adolescent patients, as well as their possible complications
- ◆ Identify the needs of the pediatric cancer patient and their family environment from a holistic perspective to provide quality care
- ◆ Develop skills to care for the pediatric patient in the last days of life, providing psychological and emotional support
- ◆ Assess the nutritional status of the pediatric patient and adapt nutrition to reduce complications and increase quality of life
- ◆ Provide psychological care to the patient and their environment during the different stages of the disease that favors an effective adaptation and improves their well-being
- ◆ Describe the most frequent tumors in the elderly population
- ◆ Know the specific characteristics of the elderly population and their influence on neoplastic diseases
- ◆ Acquire the knowledge necessary to perform a comprehensive geriatric assessment and identify the patient's needs in order to develop a therapeutic plan
- ◆ Review the fundamental aspects of oncologic pain in the elderly patient and its multidimensional approach

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



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# 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. Oncology Nursing in the pediatric and elderly patient

- 1.1. General Context of Pediatric Oncology
  - 1.1.1. Epidemiology of Pediatric Cancer
  - 1.1.2. Most Frequent Tumors in Pediatric Age
    - 1.1.2.1. Leukemia Types
    - 1.1.2.2. Lymphoma
    - 1.1.2.3. Brain Tumors
    - 1.1.2.4. Wilms Tumor (Nephroblastoma)
    - 1.1.2.5. Neuroblastoma
    - 1.1.2.6. Rhabdomyosarcoma
    - 1.1.2.7. Bone Tumors
- 1.2. Main Treatments in the Pediatric Patient
  - 1.2.1. Surgery
  - 1.2.2. Chemotherapy
  - 1.2.3. Radiotherapy
  - 1.2.4. Hematopoietic Progenitor Transplantation
  - 1.2.5. Side Effects
- 1.3. Child and Family Focused Care
  - 1.3.1. Quality of Life
  - 1.3.2. Role of the Family
  - 1.3.3. Emotional Impact
  - 1.3.4. Nurse Assessment and Management
- 1.4. Pediatric Patient Nutrition
  - 1.4.1. General Aspects
  - 1.4.2. Malnutrition Consequences
  - 1.4.3. Assessment
  - 1.4.4. Nutritional Support
- 1.5. Psychological Care in Pediatric Oncology Patients
  - 1.5.1. Emotional Support During Diagnoses
  - 1.5.2. Emotional Support During Treatment
  - 1.5.3. Emotional Support after the End of Treatment



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- 1.6. Palliative Care for Pediatric Patients
    - 1.6.1. Most Frequent Symptoms
    - 1.6.2. Symptom Control Pain Management
    - 1.6.3. Palliative Sedation
    - 1.6.4. Coping with Death
    - 1.6.5. Spirituality
    - 1.6.6. Grief
  - 1.7. General Context of Oncogeriatrics
    - 1.7.1. Cancer Epidemiology in the Elderly Population
    - 1.7.2. Specific Characteristics of the Elderly Cancer Patient
      - 1.7.2.1. Physiological Aging
      - 1.7.2.2. Polypharmacy
      - 1.7.2.3. Associated Pathology
  - 1.8. Particularities of Oncologic Treatment in the Elderly Patient
    - 1.8.1. Chemotherapy
    - 1.8.2. Radiotherapy
    - 1.8.3. Surgery
    - 1.8.4. Hormone Therapy
  - 1.9. Comprehensive Assessment in Elderly Oncologic Patients
    - 1.9.1. Geriatric Assessment Methodology
    - 1.9.2. Frailty Screening
  - 1.10. Oncologic Pain in the Elderly Patient
    - 1.10.1. Features
    - 1.10.2. Assessment
    - 1.10.3. Pharmacological and Non-Pharmacological Treatment

# 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.





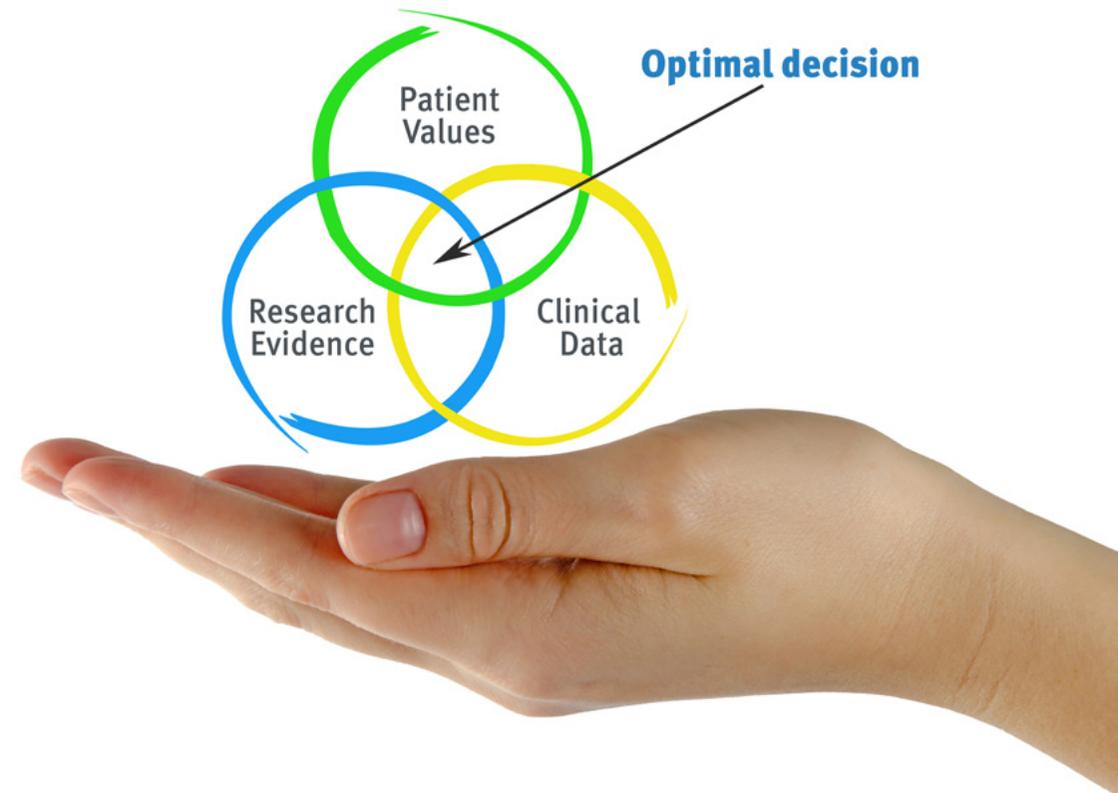
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”*

## 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.

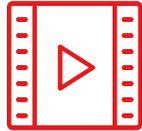
*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and relearn). 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 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.



### 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

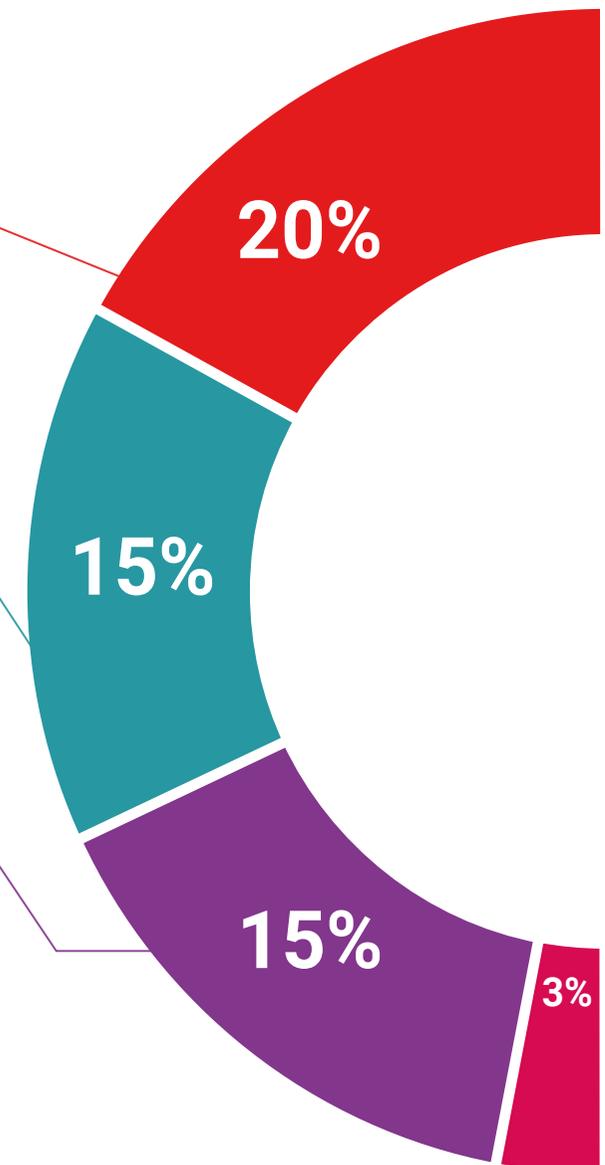
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

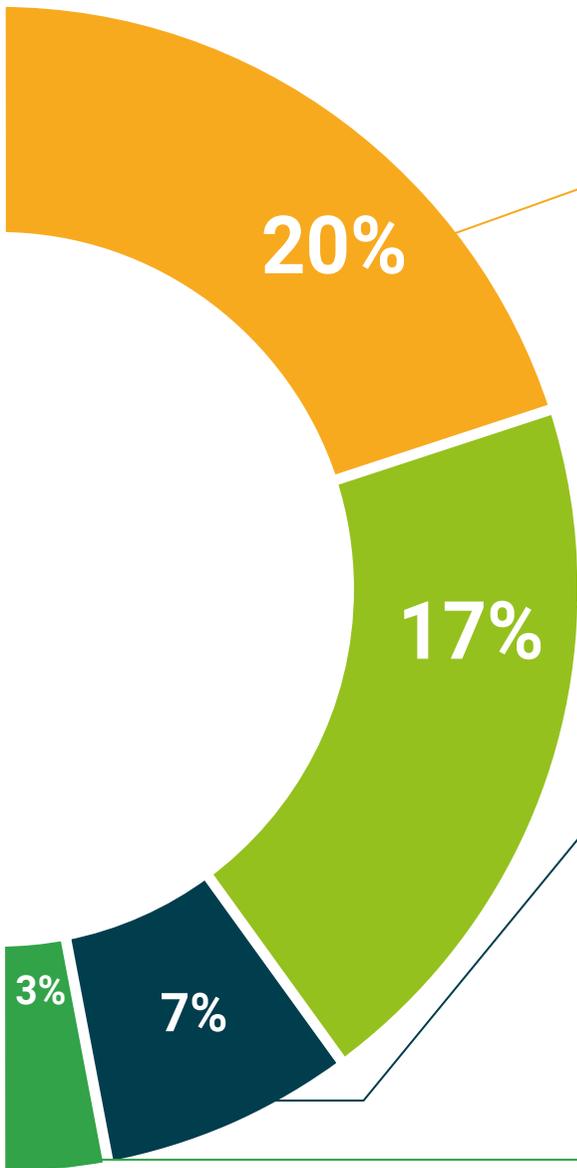
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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 Oncology Nursing in the Pediatric and Elderly Patients guarantees you, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Global University.





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*Successfully complete this program  
and receive your university degree  
without travel or laborious paperwork”*

This private qualification will allow you to obtain a **Postgraduate Certificate in Oncology Nursing in the Pediatric and Elderly 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.

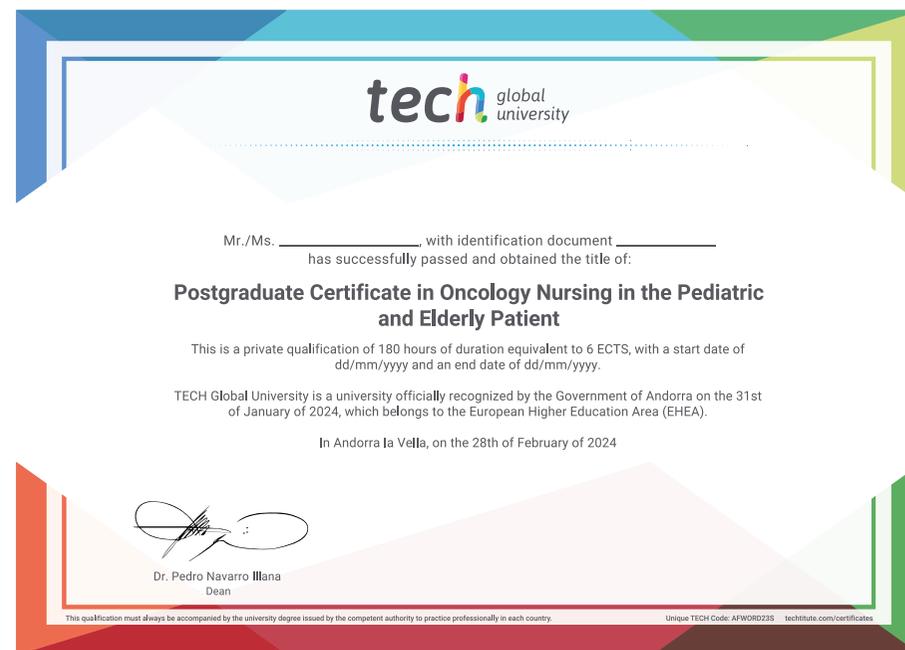
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Oncology Nursing in the Pediatric and Elderly Patient**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



\*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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