



## Postgraduate Certificate

## Neurologic Oncology for Nursing

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Technological University

» Dedication: 16h/week

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/in/nursing/postgraduate-certificate/neurologic-oncology-nursing

# Index

> 06 Certificate

> > p. 28





## tech 06 | Introduction

This program covers the main neurological problems caused by tumors, metastases and hematological neoplasms affecting the central nervous system. Although primary brain tumors have a low percentage with respect to neoplasms in the general population, they have a high morbimortality. Therefore, this program addresses the neurological complications associated with these tumors.

Likewise, the most commonly used treatments in neuro-oncology, either surgical or chemotherapy and radiotherapy and their most common complications will be detailed.

Finally, the most up-to-date treatments and specific nursing care in tumor processes will be defined, in such a way that this knowledge is integrated to be able to perform a specific assessment by functional patterns and diagnose according to NANDA taxonomy, planning outcome criteria based on NOC taxonomy and nursing interventions in accordance with NIC taxonomy.

In addition, as it is a 100% online Postgraduate Certificate, it provides the student with the ease of being able to take it comfortably, wherever and whenever the student chooses All you need is a device with internet access to take your career one step further. A modality according to the current times with all the guarantees to position the nurse in a highly demanded area.

This **Postgraduate Certificate in Neurologic Oncology for Nurses** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- Development of more than 100 case studies presented by experts in neurological nursing
- Its graphic, schematic and eminently practical contents, which are designed to provide essential scientific and assistance information for professional practice
- Latest developments in neurological nursing
- Contains practical exercises
- Theoretical lessons, questions to the expert and clinical cases for individual reflection
- Content that is accessible from any fixed or portable device with an Internet connection
- Multimedia content developed with the latest educational technology, which will allow
  the professional a situated and contextual learning, i.e. a simulated environment that will
  provide an immersive learning programmed to train in real situations



Learn which are the most commonly used treatments in neuroncology, either surgical or chemotherapy and radiotherapy and their most common complications"



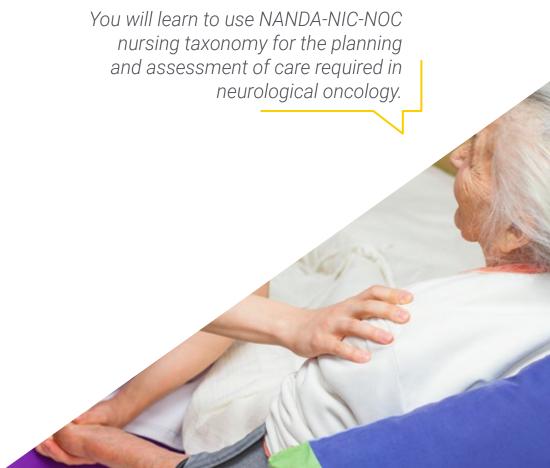
With this Postgraduate Certificate you will specialize in highly demanded functions in healthcare, which, now more than ever, is looking for professionals like you"

The program's teaching staff includes professionals from the sector who contribute their work experience to this training 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 training programmed to train in real situations.

The design of this program focuses on Problem-Based Learning, which means the student must try to solve the different real-life situations of that arise throughout the academic program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.

Acquiring knowledge and fundamentals of neurological oncology and integrating them into nursing practice is possible thanks to this TECH program.







## tech 10 | Objectives



## **General Objectives**

- Learn and integrate general nursing care in the main neurological pathologies
- Perform standardized care plans, acquiring knowledge on how to perform nursing assessments according to functional patterns and use NANDA-NIC-NOC nursing taxonomy for care planning and evaluation
- Acquire knowledge and fundamentals of the pathophysiology of cerebrovascular diseases, epilepsy, movement disorders, multiple sclerosis, dementia, headache, neuromuscular diseases, neurological oncology and CNS infectious diseases and integrate them into nursing practice
- Understand the Necessary Knowledge in Physiopathology of Neurological Diseases
- Have an In-depth Knowledge of the Most Up-to-date Basic Medical-Surgical Treatments
- In-depth knowledge of diagnostic taxonomy to formulate nursing diagnoses, outcome criteria and nursing interventions





## **Specific Objectives**

- Learn about and expand knowledge of primary glial and non-glial brain tumors
- Update knowledge on brain metastasis and meningeal carcinomatosis
- Study knowledge of neurological complications of chemotherapy, radiotherapy and immunology
- Know in depth the specific nursing care in neuro-oncological diseases
- Integrate nursing care into daily practice by following standardized care plans according to nursing taxonomies



You will deepen your knowledge of neurological complications of chemotherapy, radiation therapy and immunology together with the best professionals"







## tech 14 | Course Management

## Management



## D. Cano Manchón, Antonio Rafael

- Nursing Supervisor of the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princes
- Associate Professor of the Faculty of Nursing at the Autonomous University of Madrid, belonging to the Faculty of Medicine
- Degree in Nursing





#### **Professors**

#### Ms. Sanz de la Plaza, Carmen

- Nurse Assistant in the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- Nurse Expert in Neuroncology Nursing Care
- Degree in Nursing



An impressive teaching staff, made up of active professionals, will be in charge of accompanying you throughout your training: a unique opportunity not to be missed"





## tech 18 | Structure and Content

#### Module 1. Neurologic Oncology

- 1.1. Primary Brain Tumors
  - 1.1.1. High-Grade Gliomas
  - 1.1.2. Low-Grade Gliomas
- 1.2. Non-Glial Primary Brain Tumors
- 1.3. Brain Metastases and Meningeal Carcinomatosis
- 1.4. Neurological Complications of Chemotherapy and Immunotherapy
- 1.5. Neurological Complications of Radiotherapy
- 1.6. Paraneoplastic Syndromes
- 1.7. Hematological Neoplasms and their Neurological Complications
- 1.8. Treatments in Neurological Oncology
  - 1.8.1. Pharmacological Treatment.
  - 1.8.2. Non-Pharmacological Treatment
  - 1.8.3. Surgical Treatments
- 1.9. General Tumor Nursing Care
  - 1.9.1. Specific Care in Tumors
  - 1.9.2. Specific Care for Tumors Requiring Surgery
  - 1.9.3. Specific Care for Tumors Requiring Chemotherapy
  - 1.9.4. Specific Care for Tumors Requiring Radiotherapy
- 1.10. NANDA-NIC-NOC Care Plans.
  - 1.10.1. Nursing Assessment by Gordon Functional Patterns
  - 1.10.2. Nursing Diagnoses NANDA Taxonomy
  - 1.10.3. Care Planning According to NIC-NOC Taxonomy







With this Postgraduate Certificate you will learn in depth about the neurological complications of chemotherapy, immunotherapy and radiotherapy to know how to proceed correctly and rigorously in each case"



This training program offers 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.

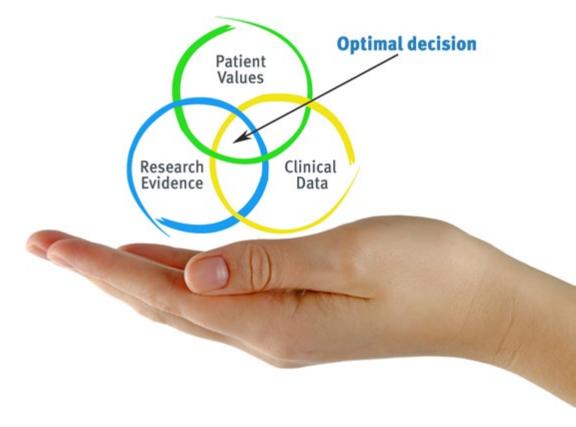


## tech 22 | Methodology

### 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.



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:

- 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 Harvard 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.



## Methodology | 25 tech

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology 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 high 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**

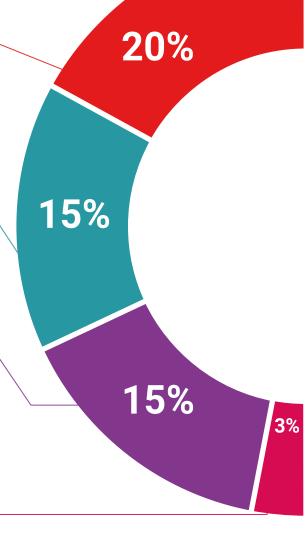
We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch them as many times as you 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.

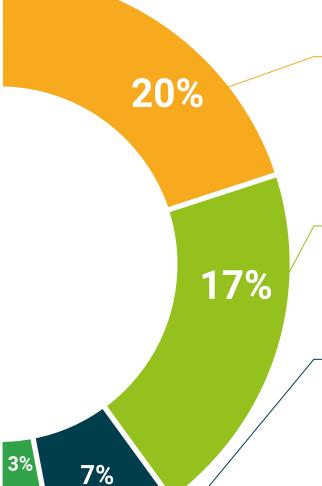
This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".





#### **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.



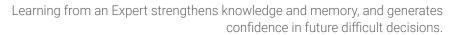
#### **Testing & Retesting**

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of achieving their goals.



#### **Classes**

There is scientific evidence suggesting that observing third-party experts can be useful.





#### **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.







## tech 30 | Certificate

This **Postgraduate Certificate in Neurologic Oncology for Nurses** 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 job markets, competitive examinations and professional career evaluation committees.

Title: Postgraduate Certificate in Neurologic Oncology for Nursing Official N° of hours: 150 h.



<sup>\*</sup>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.

technological university

## Postgraduate Certificate Neurologic Oncology for Nursing

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

