

# Postgraduate Certificate

## Stroke code and Hospital Care Stroke for Nursing



## Postgraduate Certificate Stroke Code and Hospital Care Stroke for Nursing

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

Website: [www.techtute.com/us/nursing/postgraduate-certificate/stroke-code-hospital-care-stroke-nursing](http://www.techtute.com/us/nursing/postgraduate-certificate/stroke-code-hospital-care-stroke-nursing)

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# 01

# Introduction

Nursing care for neurological patients who have suffered a stroke is specific and tends to a protocol designed to act as soon as possible, since it is very important to receive medical and nursing care as soon as possible. To improve the speed of care, the Stroke Code was created. This program will describe how the Stroke Code is activated, what is the circuit to follow and how it is treated in the hospital emergency room and subsequently in the Stroke Unit. Similarly, specific care will be described according to the cause of the stroke, if they have language problems or dysphagia and early rehabilitation in the first 24 hours, so that this knowledge is integrated in order to perform a specific assessment by functional patterns, acquiring the student high skills in this action.





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*Master the Stroke Code and the specific care required by patients in Hospital Care in this unit, safely implementing the protocol to be followed thanks to this TECH qualification"*

In this program the student will learn the importance of the activation of the Stroke Code and the treatment of acute stroke in Stroke Units. This is a major issue to be addressed as soon as possible. "Time is brain" is the motto, which reflects the importance of receiving medical and nursing care as soon as possible. To improve the speed of care, the Stroke Code was created. Therefore, we will describe in depth how this code is activated, what is the circuit to be followed and how it is treated in the hospital emergency room and subsequently in the stroke unit.

The specific treatment will depend on the patient, the evolution of the process and the type of stroke. Since 2012, a highly specialized treatment called vascular neurointerventionalism has been performed, which will be extensively detailed in the proposed curriculum. In all possible cases, management in specialized units called Stroke Units is recommended. Diagnostic measures, general care, specific treatment and control of complications are applied to ensure the best outcome for patients. A highly trained nursing team is essential for this purpose.

Thus, this Postgraduate Certificate will go into specific care according to the cause of the stroke, if they have language problems or dysphagia, early rehabilitation in the first 24 hours, 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. nciones de enfermería según taxonomía NIC.

Finally, a glossary of terms that will allow the nursing staff to perform a correct neurological assessment of the patient will be given.

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 Stroke code and hospital Care Stroke 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



*You will delve into vascular neurointerventionalism, a highly specialized treatment in effect since 2012"*

“Surrender to your professional future at the time of day of your choice, at your own pace. This 100% online diploma allows you to learn in the comfort of your own home”

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, by means of which the professional must try to solve the different situations of professional practice 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.

*With this Postgraduate Certificate you will acquire the knowledge and tools that will guide you towards the success of your daily practice in hospital stroke care.*

*Specialize! You will boost your academic career with this TECH degree.*





# 02 Objectives

The Postgraduate Certificate in Stroke Code and Stroke Hospital Care for Nurses is aimed at facilitating the performance of nurses dedicated to the treatment and care of patients with these pathologies, with a special focus on emergency stroke care and subsequent care in their specific unit. This requires a high level of competence and training to avoid possible cognitive and degenerative complications. With this Postgraduate Certificate, the nurse will be trained in the treatment required by patients in this area, with rigor and professionalism, in order to achieve the following proposed objectives, distributed in general and specific, for greater satisfaction of the future graduate on the way to his or her professional goal.





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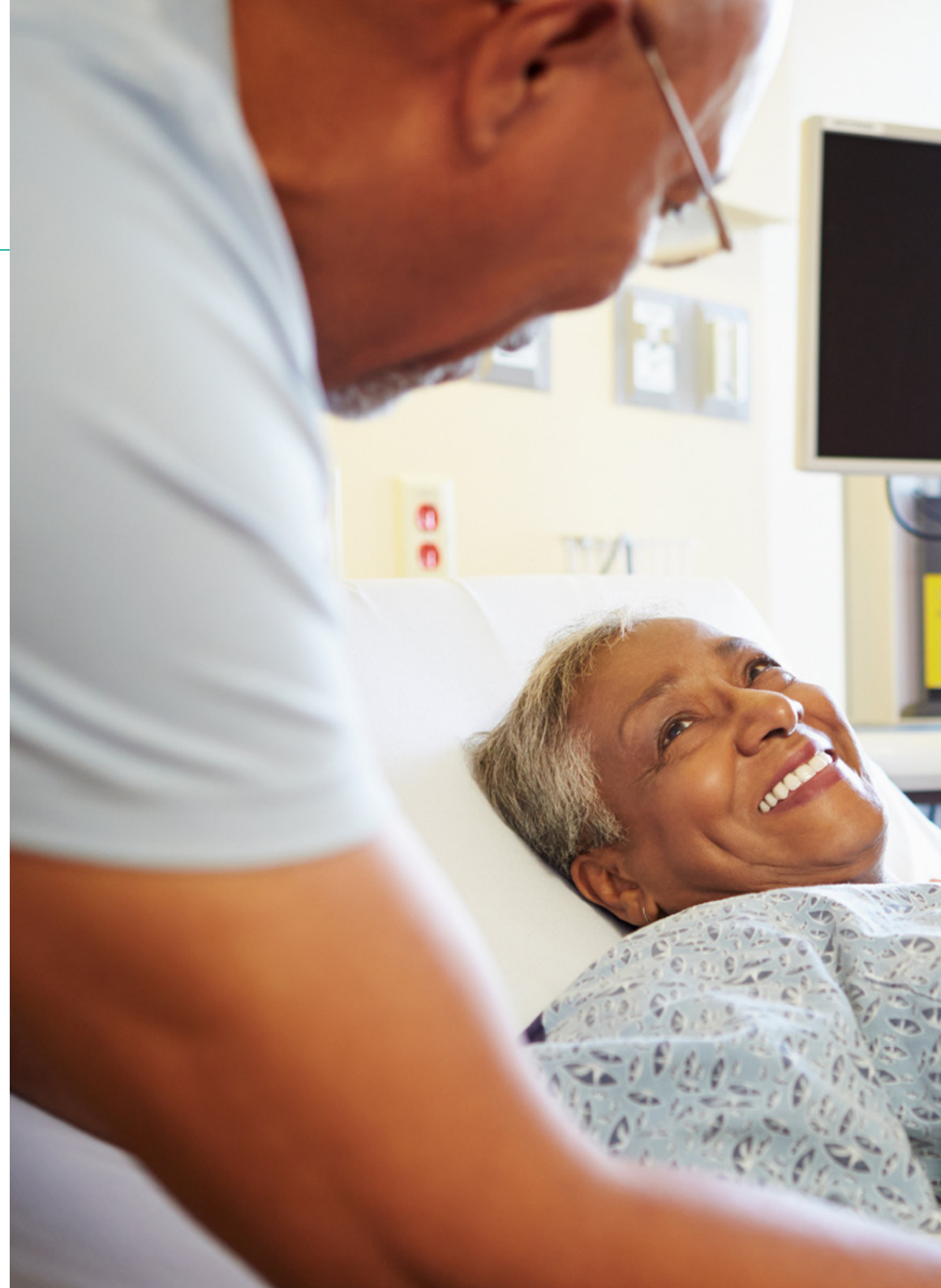
*You will successfully update your knowledge of the Stroke Code: its activation, emergency care and care in the Stroke Unit of a hospital"*



## General objectives

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- ♦ 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

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- ◆ In-depth knowledge of the Ictus Code and its activation.
- ◆ Update and expand knowledge in acute stroke emergency care
- ◆ Update and expand knowledge in stroke unit care.
- ◆ Study protocolized procedures in the Stroke Unit.
- ◆ Have a deep knowledge of the specific nursing care in Stroke Unit.
- ◆ Integrate nursing care into daily practice by following standardized care plans according to nursing taxonomies



*You will learn to perform nursing assessments according to functional patterns and use NANDA-NIC-NOC nursing taxonomy for care planning and assessment as a professional"*



# 03

# Course Management

In its maxim of offering an elite education for all, TECH counts on renowned professionals so that the student acquires a solid knowledge in the specialty of stroke protocol focused on nursing. For this reason, this Postgraduate Certificate has a highly qualified team with extensive experience in the sector, which will offer the best tools for the student in the development of their skills during the Postgraduate Certificate. In this way, the student has the guarantees required to specialize in an environment that requires precision and determination, oriented to the well-being and improvement of the patient, with full attention to their evolution.





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*Thanks to the teachers of this course, you will learn how to deal with a stroke case with success and safety”*

## Management



### **Dr. Cano Manchón, Antonio Rafael**

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





## Professors

### Ms. Fernández Quiñones, Eva

- ◆ Nurse Assistant in the Neurology-Neurosurgery- Stroke Unit of the University Hospital La Princesa
- ◆ Nurse Practitioner in Vascular Neurology Nursing Care
- ◆ Clinical Collaborator Autonomous University of Madrid
- ◆ Degree in Nursing

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*An impressive team of teachers, made up of active professionals, will be in charge of accompanying you throughout your training: a unique occasion not to be missed”*

# 04

## Structure and Content

The structure of the contents of this Postgraduate Certificate has been designed by a team of nursing professionals from a leading hospital in neurological care at all levels, aware of the relevance of current knowledge in hospital care of the Stroke Code. Thus, they warn of the need to have nurses qualified in the treatment of these pathologies, which is why they have designed this program. Committed to quality teaching through new educational technologies, they have established a curriculum whose syllabus offers a broad perspective of the performance of the functions of the nurse in this area of health, with which you will expand your knowledge and acquire full competence for your day-to-day work, knowing that you also have the support of a team of experts and the guarantee of quality TECH, a prestigious university team of experts and the quality guarantee of TECH, a prestigious university.







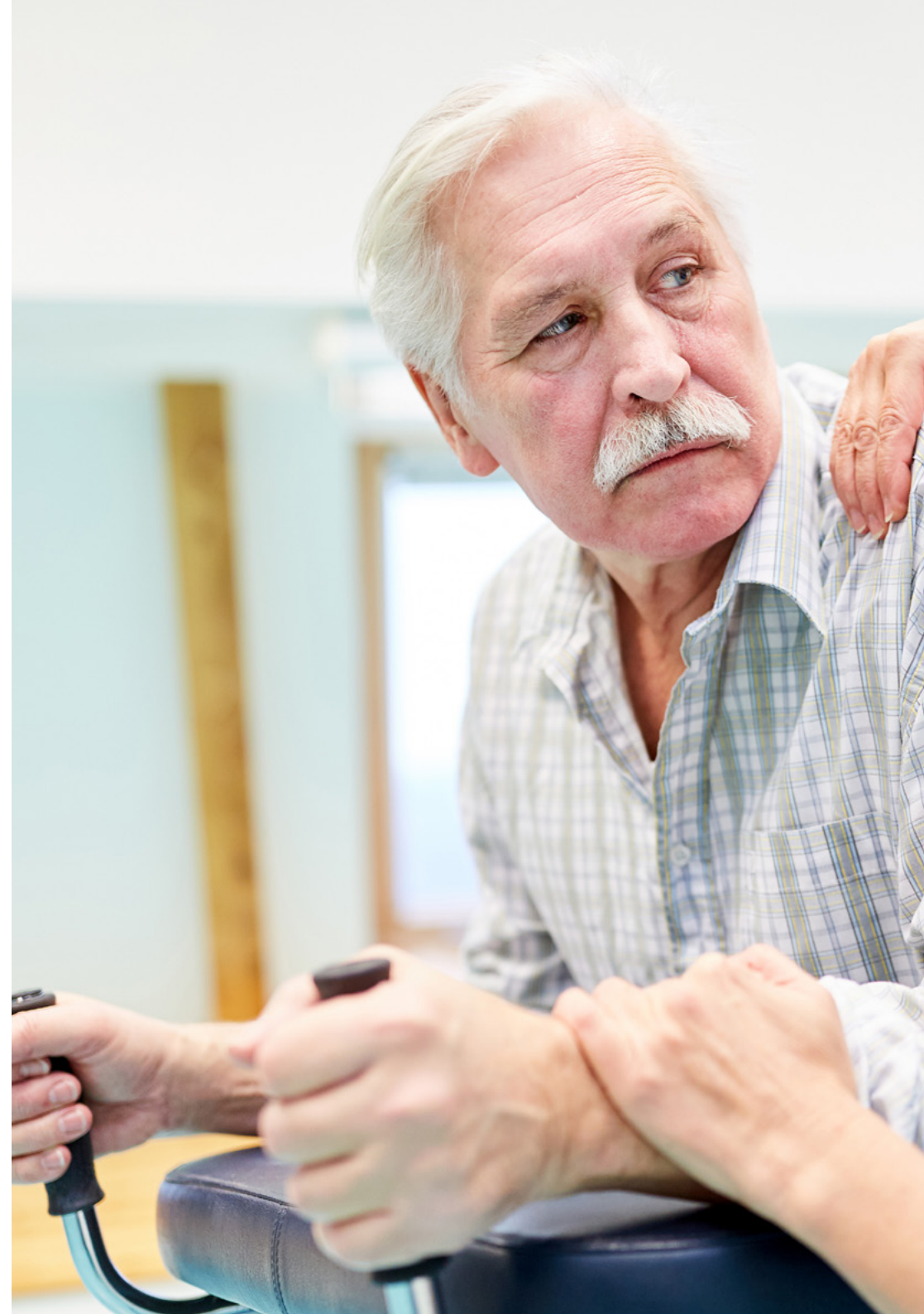
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*The healthcare sector is looking for specialized professionals and this program stresses the importance of having highly trained nurses specialized in emergency care for Code Ictus”*



## Module 1. Stroke Code and Hospital Care Stroke

- 1.1. Stroke Code
  - 1.1.1. Activation Criteria Stroke Code
  - 1.1.2. Stroke Code Circuit
- 1.2. Ictus Code Attention in the Emergency Department
  - 1.2.1. Emergency Triage
  - 1.2.2. Emergency Nursing Care
- 1.3. Advanced Treatment in Acute Stroke
  - 1.3.1. Intravenous Fibrinolysis
  - 1.3.2. Vascular Neurointerventionism
- 1.4. Stroke Unit
  - 1.4.1. Stroke Unit Entry and Exit Criteria
- 1.5. Protocolized Procedures in the Stroke Unit. Nursing care
  - 1.5.1. Ischemic Stroke Protocol
  - 1.5.2. Ischemic Stroke Protocol with Heparin Treatment
  - 1.5.3. Ischemic Stroke Protocol with Fibrinolytic Treatment and/or Vascular Neurointerventional Treatment
  - 1.5.4. Hemorrhagic Stroke Protocol
  - 1.5.5. Subarachnoid Hemorrhage Protocol
  - 1.5.6. Embolization-Angioplasty-Endarterectomy Protocol
- 1.6. Rehabilitation in the Acute Stroke Patient
  - 1.6.1. Importance of Early Rehabilitation in Acute Stroke
  - 1.6.2. Postural Treatment, Mobilizations and Transfers
- 1.7. Language and Swallowing. Nursing care
  - 1.7.1. Aphasia and Specific Nursing Care
  - 1.7.2. Dysphagia Swallowing Test. Specific Nursing Care



- 1.8. Treatment of Cerebrovascular Diseases
  - 1.8.1. Pharmacological Treatments and Side Effects
- 1.9. Standardized NANDA-NIC-NOC Care Plans
  - 1.9.1. Nursing Assessment by Gordon Functional Patterns
  - 1.9.2. Nursing Diagnoses NANDA Taxonomy
  - 1.9.3. Care Planning According to NIC-NOC Taxonomy
- 1.10. Neurological Assessment. Scales and Glossary of Terms
  - 1.10.1. Neurological Assessment
  - 1.10.2. Scales: NIHHS, Canadian Scale, *Glasgow Scale*
  - 1.10.3. Dictionary of Terms

“*Now more than ever, the Ictus Code and Ictus Nursing Hospital Care Diploma is the program you need to propel your career to the next level!*”





05

# Methodology

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.





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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 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.*



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.

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 Stroke Code and Hospital Care Stroke for Nurses 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 training and receive your university degree without travel or laborious paperwork”*



This private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Stroke Code and Hospital Care Strokefor Nursing** 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 Stroke Code and Hospital Care Strokefor Nursing**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge presentation  
development languages  
virtual classroom



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