

# Postgraduate Diploma

## Nursing in Acute Pathologies in Primary Care





## Postgraduate Diploma Nursing in Acute Pathologies in Primary Care

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

Website: [www.techtute.com/pk/nursing/postgraduate-diploma/postgraduate-diploma-nursing-acute-pathologies-primary-care](http://www.techtute.com/pk/nursing/postgraduate-diploma/postgraduate-diploma-nursing-acute-pathologies-primary-care)

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01

# Introduction

Emergency situations in primary care are a basic and critical point of reference to ensure quality care in the health system. Nursing professionals continue to care for their patients when they come to the office with emergency situations, so adequate education is essential to ensure quality care, reduce complications and improve patient prognosis.





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*The quality of urgent patient care is conditioned by professionals having updated knowledge of the care they provide. Update on the nursing procedures and care that professionals must provide patients with acute pathology in Primary Care”*

Primary Care represents the gateway to the health system, sometimes receiving patients with potentially serious conditions that require immediate and complex action, generally with limited resources, which makes the role played by nursing professionals and the rest of the healthcare team in emergencies in primary care a crucial one.

The Postgraduate Diploma in Nursing in Acute Pathologies in Primary Care is a complete scientific program, updated based on the latest scientific evidence and the experience of renowned professionals in primary care.

It includes comprehensive systematized action plans for the most frequent acute pathologies faced by nursing professionals in their daily clinical practice in primary care, helping them to make prompt and accurate decisions in these situations. It also addresses organizational aspects of pediatric emergency services and the provision of personnel and material, emphasizing their differential features.

This **Postgraduate Diploma in Nursing in Acute Pathologies in Primary Care** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ Clinical cases presented by experts 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
- ◆ Diagnostic and therapeutic developments patient care in cases of acute ENT, vascular, ophthalmologic, gynecologic, pediatric or infectious pathologies in primary care
- ◆ It includes workshops on bandaging, casting and restraining agitated patients
- ◆ Presentation of practical workshops on procedures diagnosis, and treatment techniques
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ Includes theoretical lectures, questions to the expert, discussion forums on controversial issues and individual reflection papers
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*With this Postgraduate Diploma you can update your knowledge of acute pathologies in Primary Care, improve prognosis and reduce sequelae and complications”*

“

*This Postgraduate Diploma may be the best investment you can make when selecting a refresher program for two reasons: in addition to updating your knowledge of Nursing in Acute Pathologies in Primary Care, you will obtain a qualification from TECH”*

The program’s teaching staff includes professionals from the sector who contribute their work experience to this educational 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 education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

*This Postgraduate Diploma offers training in simulated environments, which provides an immersive learning experience designed to train for real-life situations.*

*It includes clinical cases to bring the program's degree as close as possible to the reality of care in Nursing.*



02

# Objectives

The program is focuses on reviewing the main aspects of managing acute pathology patients in primary care based on scientific evidence and the experience of recognized professionals.







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*This program will give you a sense of confidence when taking decisions and providing care, which will help you grow both personally and professionally”*



### General objective

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- Update diagnostic and therapeutic procedures for the most frequent urgent and emergency situations that nurses usually deal with in Primary Care



*Take the step to get up to date on the latest developments in Nursing in Acute Pathologies in Primary Care”*





## Specific objectives

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### Module 1. Organizational Aspects of the Emergency Department

- ♦ Define the structure and organization of emergency services in primary care
- ♦ Understand the importance of medical records in the emergency department and understand the most relevant legal and ethical aspects of health care in emergencies in primary care
- ♦ Understand the role played by health professionals in primary care emergencies

### Module 2. Pediatric Emergencies

- ♦ Master the procedure of pediatric and neonatal cardiopulmonary resuscitation in the primary care setting
- ♦ Identify the different urgencies and emergencies in pediatrics
- ♦ Apply treatment for a child having a seizure
- ♦ Resolve abdominal pain, vomiting, and diarrhea in children
- ♦ Distinguish between the different respiratory tract diseases in children
- ♦ Apply the initial treatment measures for traumatized children
- ♦ Interpret the possible severity of cranioencephalic trauma in a child
- ♦ Identify the criteria for hospital referral in case of limping in children
- ♦ Recognize the medical-legal documents and attitudes in situations of child abuse

### Module 3. Gynecological Emergencies

- ◆ Identify the most common gynecological-obstetric conditions in primary health care and state the precise guidelines in each case to correctly resolve them
- ◆ Review the main aspects of childbirth care, previous care, basic techniques of assistance, types of presentations, and dilatation, expulsion and delivery times in the out-of-hospital setting of primary care
- ◆ Understand the care protocol for rape victims
- ◆ Identify the different drugs in pregnancy and lactation that do not put the patient's health at risk

### Module 4. Psychiatric Emergencies

- ◆ Define the clinical symptomatology of psychopathologies
- ◆ Identify the main signs and analyze the risk of a self-harm attempt
- ◆ Adequately resolve a psychomotor agitation crisis
- ◆ Indicate the appropriate treatment for alcohol withdrawal syndrome
- ◆ Recognize the clinical symptomatology of an anxiety attack and differentiate it from other pathologies

### Module 5. Skin Emergencies

- ◆ Differentiate between the different degrees of burns
- ◆ Calculate the amount of fluids needed to infuse a burn victim according to the extent and depth of the burn
- ◆ Distinguish between the various types of skin infections





### **Module 6. Hematological Emergencies**

- ◆ Correctly apply hemotherapy in patients with hematological conditions
- ◆ Distinguish between the different anticoagulant treatments
- ◆ Delve into anemia and how to act in case of emergency
- ◆ Identify hemostasis disorders

### **Module 7. Infectious Emergencies**

- ◆ Recognize the symptoms and signs of severity in case of acute febrile episode
- ◆ Distinguish the differential diagnosis of abdominal pain, vomiting, and diarrhea
- ◆ Identify patients with fever due to HIV infection
- ◆ Correctly diagnose urinary tract infections

### **Module 8. Oncologic Emergencies**

- ◆ Recognize the most common infectious, inflammatory, autoimmune, and tumor diseases in primary care
- ◆ Use therapeutic measures for oncology patients with neutropenia
- ◆ Identify the different acute complications in chemotherapy treatment
- ◆ Master the types of pain and terminal sedation

### **Module 9. Toxicology Emergencies**

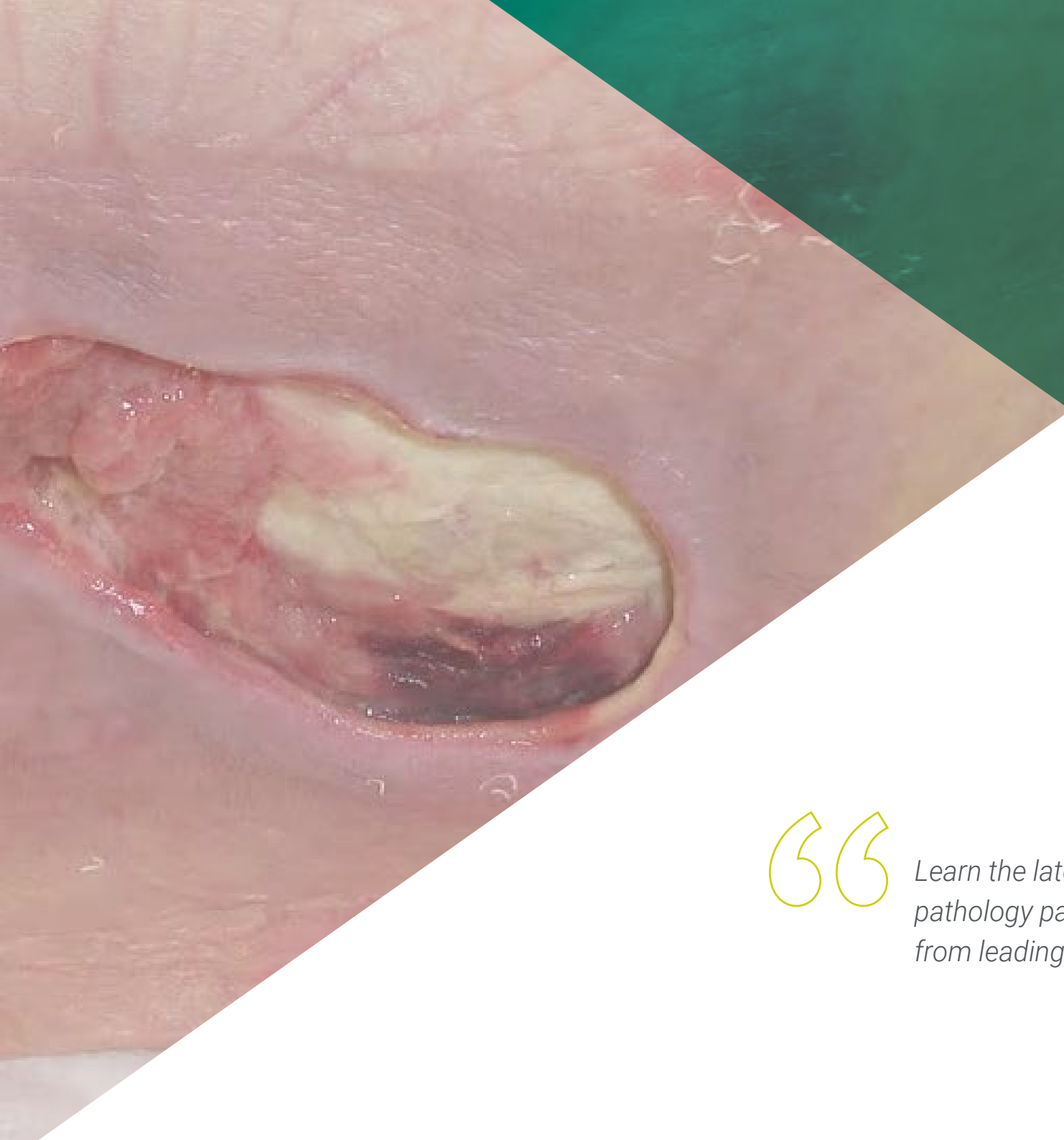
- ◆ Identify the main immunological emergency pathologies and manage patients suffering from anaphylactic reactions
- ◆ Effectively implement initial measures in different types of acute intoxication
- ◆ Recognize the manifestations of intoxications by psychotropic drugs, NSAIDs, and digitalis
- ◆ Discover the effects of intoxication from drugs and organophosphates

03

# Course Management

The program includes in its teaching staff leading nursing professionals in the field of intensive care nursing, who pour into this training the experience of their work. Additionally, other specialists of recognized prestige have participated in the creation of the contents, completing the program in an interdisciplinary manner.





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*Learn the latest advances in acute pathology patients in primary care from leading professionals”*

## International Guest Director

As **National Director of Clinical Innovation** at US Acute Care Solutions, Jesse M. Pines, M.D., is one of the most recognized figures in the **Emergency Medicine and Healthcare Services** field. In fact, his accomplishments include the creation and execution of the first governmental alternative payment model (ED EQUIP, in Maryland) to reduce the total cost of care. In addition, he leads the development and implementation of Telemedicine programs covering a wide variety of specialties, including the ER, Psychiatry and Intensive Care Units, among others.

His extensive experience in **medical leadership**, large database study design and Big Data research has led him to publish over 350 peer-reviewed articles and writing seven books in these areas. His work has been recognized internationally in various reputable media outlets, including TIME Magazine, the Wall Street Journal and Slate Magazine.

His more than two decades of experience have earned him several leadership positions at George Washington University. Among them, he was the **Director** of the Center for Health Innovation and Research, also leading the Research Fellowship program and the Center for Healthcare Quality.

Therefore, throughout his career, Dr. Jesse M. Pines has received multiple awards, both for the articles he has published and for his own work and contribution to the **field of Emergency Medicine**. He is also the **President of the working group on New Models of Professional Practice of the American College of Emergency Physicians (ACEP)**, holding various positions in the ACEP itself as well as in the Society for Academic Emergency Medicine and the American Academy of Emergency Medicine.





## Dr. Pines, Jesse M.

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- National Director of Clinical Innovation, US Acute Care Solutions, USA
- Allegheny Health Network Emergency Physician
- Professor of Emergency Medicine at The George Washington University
- Professor of Emergency Medicine at Drexel University
- Director of the Medical Research Fellowship Program at George Washington University.
- Director of the Center for Health Innovation and Research at George Washington University
- Doctor of Medicine from Georgetown University
- Master's Degree in Business Administration, Georgetown University
- Master's Degree in Clinical Epidemiology from the University of Pennsylvania.



*Thanks to TECH you will be able to learn with the world's best professionals"*

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## Dr. Maliszewski, Barbara

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- Senior Director of Nursing at Johns Hopkins Hospital and Johns Hopkins Bayview Medical Center
- Deputy Director of Nursing at Johns Hopkins Bayview Medical Center, Department of Emergency Medicine and Critical Care Transport
- Nurse Practitioner at Johns Hopkins Bayview Medical Center, Department of Surgery
- Journal of Clinical Nursing Reviewer
- Master of Science in Nursing, Towson University
- Bachelor of Science in Nursing from the University of Maryland
- Emergency Nurses Association

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*Thanks to TECH you will be able to learn with the world's best professionals”*

## Management



### Dr. Roig D'Cunha-Kamath, Francisco Vicente

- ◆ Degree in Medicine from the University of Valencia
- ◆ Specialist via MIR in Family and Community Medicine
- ◆ Assistant Physician of the Emergency Medicine Department at the Clinical University Hospital of Valencia
- ◆ Professor of Human Anatomy at the European University of Valencia
- ◆ Physician at the Valencia Health and Community Foundation
- ◆ Doctor for the ASCIRES group

## Professors

### Ms. Forés Rivas, Ana

- ◆ Nurse in the Intensive Care Unit at Dr. Peset University Hospital, Valencia

### Dr. Brasó Aznar, José Vicente

- ◆ Hospital Emergency Physician
- ◆ Associate Professor of Emergency Medicine at the Faculty of Medicine of the University of Valencia
- ◆ Head of Department Emergency Medicine. Ribera University Hospital



04

# Structure and Content

The content has been designed and structured by a team of professionals who recognize the importance of training in emergency primary care nursing, who are aware of the relevance of current knowledge to provide quality patient care, and who are committed to teaching through new educational technologies.



“

*This Postgraduate Diploma in Nursing in Acute Pathologies in Primary Care contains the most complete and up-to-date scientific program on the market”*

## Module 1. Organizational Aspects of the Emergency Department

- 1.1. Organization of the Emergency Department in Primary Care. Adequate Stocking of First Aid Kits
- 1.2. Role of the Healthcare Professional in Primary Care Emergencies
- 1.3. Medicolegal Management Issues in Primary Care Emergency Departments

## Module 2. Pediatric Emergencies

- 2.1. Acute Febrile Episode
- 2.2. Febrile Seizures
- 2.3. Abdominal Pain
- 2.4. Gastrointestinal Disorders
- 2.5. Airway Diseases
- 2.6. Acute Headache
- 2.7. Child Abuse
- 2.8. Limping
- 2.9. Initial Care for Pediatric Polytrauma Patients

## Module 3. Gynecological Emergencies

- 3.1. Gynecological Emergencies
  - 3.1.1. Gynecological Abdominal Pain
  - 3.1.2. Vulvovaginal Infectious Disease
- 3.2. Pregnancy and Postpartum Emergencies
  - 3.2.1. Genital Bleeding
  - 3.2.2. Hypertensive Emergencies in Pregnancy
  - 3.2.3. Drugs in Pregnancy and Lactation
- 3.3. Protocol for Rape Victim Care
- 3.4. Birth





#### Module 4. Psychiatric Emergencies

- 4.1. Psychotic Symptomatology. Hallucinations
- 4.2. Suicidal Crisis Intervention
- 4.3. Behavioral Disorders Psychomotor Agitation
- 4.4. Alcohol Withdrawal Syndrome
- 4.5. Neuroleptic Malignant Syndrome
- 4.6. Anxiety Attack Panic Attack
- 4.7. Workshop: Mechanical Restraint of an Agitated Patient

#### Module 5. Skin Emergencies

- 5.1. Hypersensitivity Lesions
- 5.2. Skin Infections
- 5.3. Skin Emergencies

#### Module 6. Hematological Emergencies

- 6.1. Anemia Syndrome in the Emergency Department
- 6.2. Hemotherapy
- 6.3. Thrombopenia Hemostasis Disorders
- 6.4. Anticoagulation and Thromboprophylaxis

#### Module 7. Infectious Emergencies

- 7.1. Risk Exposure and Exposure to Potentially Contaminating Material EVE CODE
- 7.2. Fever in H.I.V. Infected Patients
- 7.3. Fever of Unknown Origin
- 7.4. Urinary Tract Infections
- 7.5. Fever and Rash

#### Module 8. Oncologic Emergencies

- 8.1. Basic Management of Patients with Oncologic Emergencies
- 8.2. Febrile Syndrome in Oncologic Patients (Special Attention to Febrile Neutropenia)
- 8.3. Pain and Terminal Sedation
  - 8.3.1. Types of Pain
  - 8.3.2. Pain Treatment
  - 8.3.3. Terminal Sedation
- 8.4. Acute Complications of Chemotherapy Treatment
  - 8.4.1. Mucositis
  - 8.4.2. Acneiform Rash
  - 8.4.3. Nausea and Vomiting
  - 8.4.4. Diarrhea
  - 8.4.5. Cachexia-Anorexia-Asthenia Syndrome

#### Module 9. Toxicology Emergencies

- 9.1. General Management of Acute Poisoning
- 9.2. Alcohol Poisoning
- 9.3. Drug Poisoning
  - 9.3.1. Analgesic Poisoning
  - 9.3.2. Digitalis Poisoning
  - 9.3.3. Other Poisoning (Lithium, Ethylene Glycol, Methanol, Beta-Blockers)
  - 9.3.4. Psychotropic Drug Poisoning
- 9.4. Drug Poisoning
- 9.5. Caustic Poisoning
- 9.6. Carbon Monoxide Poisoning
- 9.7. Poisoning from Organophosphate, Carbamate and Organochlorine Insecticides

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 Diploma in Nursing in Acute Pathologies in Primary Care guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Diploma issued by TECH Technological University.



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

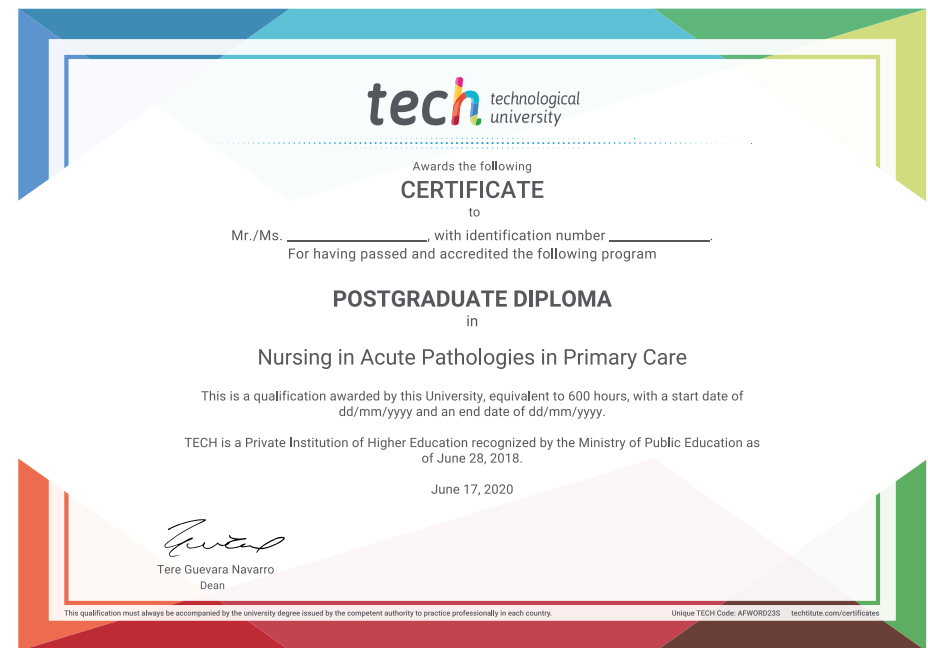
This **Postgraduate Diploma in Nursing in Acute Pathologies in Primary Care** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Nursing in Acute Pathologies in Primary Care**

Official N° of hours: **600 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.



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

# Postgraduate Diploma

## Nursing in Acute Pathologies in Primary Care

