

# Postgraduate Certificate

## Care of the Patient with Digestive and Renal Pathology in the ICU

Endorsed by:





## Postgraduate Certificate Care of the Patient with Digestive and Renal Pathology in the ICU

- » Modality: online
- » Duration: 12 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/pk/nursing/postgraduate-certificate/care-patient-digestive-renal-pathology-icu](http://www.techtute.com/pk/nursing/postgraduate-certificate/care-patient-digestive-renal-pathology-icu)

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# 01

# Introduction

The most severe digestive and renal pathologies that occur in the Intensive Care Unit require an agile and rigorous approach to preserve the patient's well-being. Consequently, nursing procedures have been perfected to care for people suffering from gastrointestinal bleeding, Fulminant Hepatic Failure or Sepsis, in order to ensure their integrity and life.

In this way, all those professionals who wish to remain at the forefront of health care are obliged to know these advances. Therefore, TECH has designed this program, which allows the student to delve into the state-of-the-art care for the individual with intestinal obstruction or acute renal failure. All this, enjoying a 100% online methodology and without leaving your home.



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*Thanks to this Postgraduate Certificate, you will learn about the state-of-the-art critical care required by diseases such as Sepsis or Intestinal Obstruction"*

Sepsis, Fulminant Hepatic Failure or gastrointestinal bleeding are conditions that, if not addressed quickly and effectively, can lead to death. As a result, scientific research has focused on developing sophisticated care that contributes directly to facilitating the work of specialists and promoting patient stabilization in the ICU. Given the positive impact they have on saving the lives of people suffering from these diseases, knowing about them and integrating them into daily practice is essential for nurses who wish to keep up to date in their field of activity.

Faced with this situation, TECH has opted to carry out this program, through which the student will delve into recent advances in the field of Care of the Patient with Digestive and Renal Pathology in the ICU. During 12 weeks of intensive learning, you will be able to identify the state-of-the-art care required by people suffering from Inflammatory Bowel Disease or Acute Pancreatitis. Likewise, you will delve into the state-of-the-art care for the ostomized digestive patient or the critical care required for poisoning or obstetric-gynecological pathologies.

Thanks to the fact that this Postgraduate Certificate is developed by means of a very complete 100% online delivery mode, the professional will have the possibility of developing his own study schedules to achieve effective teaching. In addition, the program will be taught by nurses who have extensive health care experience behind them, who are responsible for developing all the teaching content. Therefore, the knowledge that the student will assimilate will preserve full applicability in daily practice.

This **Postgraduate Certificate in Care of the Patient with Digestive and Renal Pathology in the ICU** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of practical cases presented by experts Nursing in Intensive Care
- ♦ 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
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ 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



*Delve into the cutting-edge care required for gastrointestinal bleeding or inflammatory bowel disease in just 300 hours"*

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*The Relearning method characteristic of this program allows you to get up to date at your own pace and without teaching limitations"*

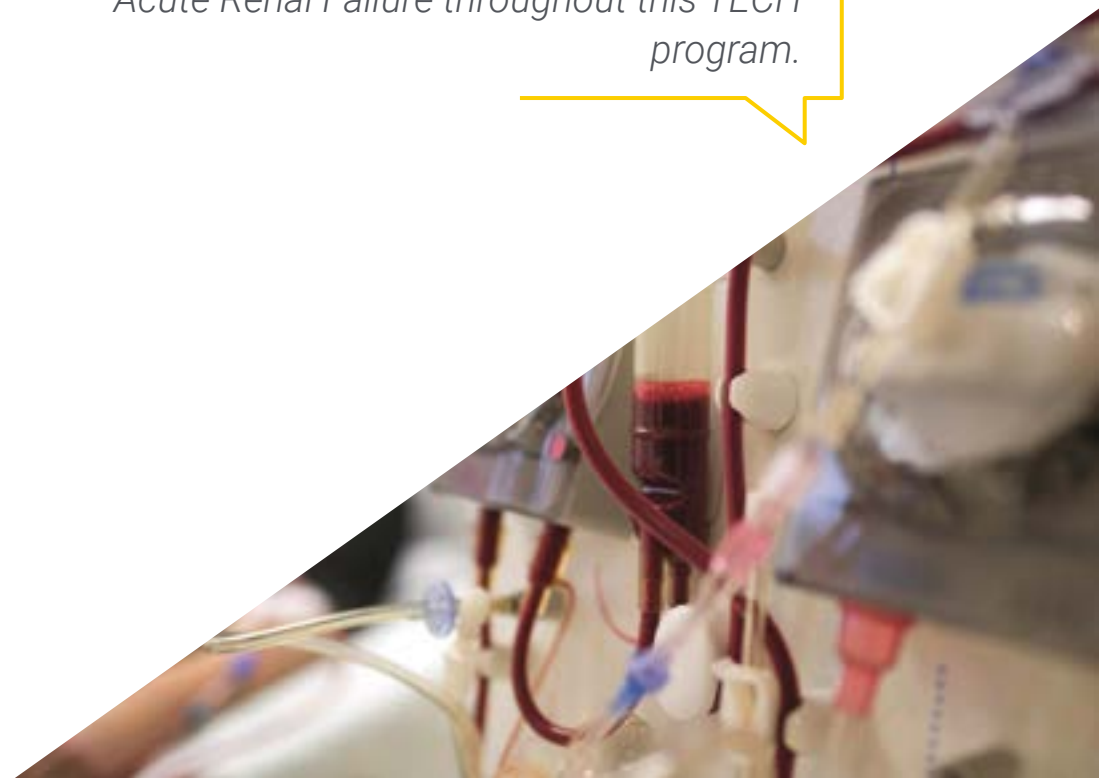
The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its 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 an immersive education programmed to learn 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 professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

*Study through first class didactic materials, available in excellent and convenient multimedia formats to facilitate your learning.*

*Learn the up to date procedures to treat Acute Renal Failure throughout this TECH program.*



# 02 Objectives

This Postgraduate Certificate has been designed with the purpose of favoring the nurse's up to date in the Care of the Patient with Digestive and Renal Pathology in the ICU. Throughout your academic experience, you will be able to review procedures with digestive Ostomized Patient and urological patients or delve into recent advances in the care of poisoning. Moreover, you will do it in only 6 weeks and enjoying the best educational methodology in the pedagogical environment.





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*Identify up-to-date procedures for the care of ostomized digestive and urologic patients through this program”*



## General Objectives

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- ♦ Update the necessary knowledge in the nursing care of critical patients, in order to increase the quality and safety of nursing practice in the Intensive Care Unit
- ♦ Acquire the necessary skills to provide comprehensive care to the critical patient with criteria of speed, efficiency and quality
- ♦ Review the fundamental principles of critical care nursing





## Specific Objectives

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- ♦ Examine the main digestive and renal pathologies treated in Intensive Care Nursing
- ♦ Review the procedures for ostomized digestive and urological patients
- ♦ Delve into critical care for intoxication and septic patients

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*Get to the forefront of Intensive Care Nursing in just 12 weeks with the best experts in the field”*

03

# Course Management

Thanks to TECH's untiring commitment to maintain intact the excellent educational level of its programs, this program has a teaching team made up of great nurses specialized in the field of Intensive Care. These professionals actively perform their healthcare duties in prestigious hospitals located throughout Spain. Therefore, the knowledge they will provide to their students will be in tune with recent advances in the area.



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*In order to provide you with the most professionally applicable knowledge, this program is taught by nurses with extensive experience in the field of Intensive Care"*

## Guest Director



### Ms. Díez Sáenz, Cristina

- ♦ Head of the Critical Care Unit at Gregorio Marañón General University Hospital
- ♦ Head Nurse of the Adult Intensive Care Unit at Gregorio Marañón General University Hospital.
- ♦ Nursing supervisor at Gregorio Marañón ICU
- ♦ Nurse Assistant in different hospitalization areas in different health centers and hospitals.
- ♦ Participation as collaborating researcher in the multicenter project "National validation of the scale of satisfaction with nursing care from the perspective of the critically ill patient"

## Co-Direction



### Ms. Lospitao Gómez, Sara

- ♦ Nurse Intensive Care and Interventional Cardiology at HUF
- ♦ Intensive Care and Interventional Cardiology at University Hospital of Fuenlabrada (UHF)
- ♦ Nurse in the Post Surgical Intensive Care Unit Cardiac Surgery UPC 12 de Octubre Hospital
- ♦ Coronary Intensive Care Unit Nurse. 12 de Octubre Hospital
- ♦ Nurse of the Interventional Cardiology Unit (Hemodynamics, EEF and Implants).
- ♦ PR Manager of #TEAyudamos and Member of the group #JuntosxEICáncer.
- ♦ Instructor for SVA by the National CPR Plan of SEMICYUC
- ♦ Member of: Care Sub-Commission (HUF), Care Commission (HUF), Secretary of the Ulcers and Wounds Working Group (HUF).

## Professors

### Ms. Álvarez Carrascal, Inmaculada

- ♦ Nurse in Pediatric ICU, Gregorio Marañón General University Hospital
- ♦ Nurse referent of Security in ICU of the Gregorio Marañón General University Hospital
- ♦ Instrumentalist nurse in the operating room of Churchill Hospital
- ♦ Nurse assistant in various hospital and health center services in the Andalusian Health Service.
- ♦ Diploma in Nursing from the University of Seville
- ♦ Expert in Intensive Care from the Complutense University of Madrid

### González Palacios, Rubén

- ♦ Nurse assistant in the Intensive Care Unit of the Hospital General Universitario Gregorio Marañón.
- ♦ Attending Nurse in the Internal Medicine Unit of the 12 de Octubre General University Hospital.
- ♦ Nurse assistant in different Primary Care centers in the Community of Madrid
- ♦ Developer of the mobile application "Compatibility drugs" for intravenous compatibility of drugs

### Dr. Ruiz Henestrosa Campos, Manuel Jesús

- ♦ Head of the Emergency Unit in GUH Gregorio Marañón
- ♦ Nurse Assistant in GUH Gregorio Marañón Hospital
- ♦ Nurse Assistant in GUH Puerta del Mar de Cadiz
- ♦ Associate Professor Practicum III of Nursing
- ♦ Collaborating teacher at the International School of Health Sciences
- ♦ Nebrija University Collaborating Professor
- ♦ Esforem Collaborating Teacher
- ♦ Diploma in Nursing

# 04

## Structure and Content

The syllabus of this program has been created with the idea of providing the nurse with the latest scientific evidence regarding the application of Care of the Patient with Digestive and Renal Pathology in the ICU. The didactic resources that you will enjoy throughout this program are available in a wide range of highly varied textual and multimedia formats. As a result, and thanks to its 100% online methodology, the student will obtain a completely enjoyable and individualized learning.





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*The 100% online mode of delivery of this program will allow you to study without the need to leave your home”.*

## Module 1. Digestive and Renal Pathology in the ICU and Other Pathologies

- 1.1. Gastrointestinal bleeding.
- 1.2. Intestinal Obstruction
- 1.3. Inflammatory Bowel Disease
- 1.4. Mesenteric Ischemia
- 1.5. Acute Abdomen
- 1.6. Fulminant Hepatic Failure
- 1.7. Albumin-Based Liver Replacement System
- 1.8. Acute Pancreatitis
- 1.9. Intestinal Ostomy Patient: Colostomy
- 1.10. Intestinal Ostomy Patient: Ileostomy
- 1.11. Disseminated Intravascular Coagulation
- 1.12. Multiorgan Failure
- 1.13. Endocrinometabolic Alterations
- 1.14. Acute Renal Failure in the ICU
- 1.15. Urostomy Patient
- 1.16. Critical Care in Poisoning
- 1.17. Critical Care in Digestive Pathologies
- 1.18. Nosocomial Infections in the ICU
- 1.19. Sepsis and Septic Shock
- 1.20. Nursing Care in the Septic Patient





“*Enroll in this program and get the possibility of getting your knowledge up to date through the textual and multimedia didactic support that best suits your study needs”*

# 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 Certificate in Care of the Patient with Digestive and Renal Pathology in the ICU guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Care of the Patient with Digestive and Renal Pathology in the ICU** 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 labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Care of the Patient with Digestive and Renal Pathology in the ICU**

Official No. of Hours: **300 h.**

Endorsed by: The Spanish Society of Intensive Care Nursing and Coronary Units.



\*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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and Renal Pathology in the ICU

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- » Exams: **online**

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