

# Postgraduate Certificate

Digestive, Nephrourological and  
Endocrine System Emergencies  
in the Out-of-Hospital Setting for  
Nursing



## Postgraduate Certificate Digestive, Nephrourological and Endocrine System Emergencies in the Out-of-Hospital Setting for Nursing

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

Website: [www.techtute.com/us/nursing/postgraduate-certificate/digestive-nephrourological-endocrine-system-emergencies-out-hospital-setting-nursing](http://www.techtute.com/us/nursing/postgraduate-certificate/digestive-nephrourological-endocrine-system-emergencies-out-hospital-setting-nursing)

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# 01

# Introduction

Digestive emergencies, as well as nephro-urological and endocrine system emergencies, are the pathological processes frequently attended by emergency healthcare personnel. Continuous nursing professional action can reduce morbidity, decrease sequelae and improve the prognosis of these patients. Through this course you will be able to update the procedures in this type of emergency in the out-of-hospital context.





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*This course deals with the main aspects of digestive, nephrourological and endocrine system emergencies in the out-of-hospital context, so that you will be able to face those situations that can compromise the patient's life. Learn how to identify, initially treat and refer patients with urgent pathologies in the out-of-hospital setting"*

Nursing professionals in their daily practice in the out-of-hospital setting must face numerous vital emergencies that require specialized care such as digestive, nephrourological and endocrine system emergencies.

A fast, efficient and effective action by health professionals avoids in most cases the possible complications derived from these emergencies, but for this, it is necessary to keep updated knowledge in this specialized area such as the out-of-hospital environment.

This course is designed for nurses to update their knowledge in order to provide quality care for cardiovascular and respiratory emergencies in the out-of-hospital setting.

The Postgraduate Certificate in Digestive, Nephrourological and Endocrine System Emergencies in the Out-of-Hospital Setting for Nursing contains the most complete and updated scientific program on the market. The most important features of the course are:

- ◆ Clinical cases presented by experts in the different specialties. The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- ◆ New diagnostic and therapeutic innovations on the most frequent digestive, nephrourological and endocrine system emergencies in the out-of-hospital setting.
- ◆ Presentation of practical workshops on nursing procedures, diagnostic and therapeutic techniques.
- ◆ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ◆ All of this will be complemented by 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.



*Update your knowledge through the Postgraduate Certificate in Digestive, Nephrourological and Endocrine System Emergencies in the Out-of-Hospital Setting for Nursing, in a practical way and adapted to your needs"*

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*This Postgraduate Certificate may be the best investment you can make when choosing an updated program for two reasons: in addition to updating your knowledge in Digestive, Nephrourological and Endocrinometabolic Emergencies for Nursing you will obtain a Postgraduate Certificate from TECH - Technological University”*

Forming part of the teaching staff is a group of professionals in the world of emergencies who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

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 program to train in real situations.

This program is designed around Problem Based Learning, whereby the student must try to solve the different professional practice situations that arise during the course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of infections with extensive teaching experience.

*This course 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 as close as possible to the reality of care in nursing*



# 02 Objectives

The main objective of the program is the development of theoretical and practical learning, so that the nursing professional can master in a practical and rigorous way the Digestive, Nephrourological and Endocrine System Emergencies in the Out-of-Hospital Environment for Nurses.







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*This updated program will provide you with the skills to act safely in the performance of nursing practice, which will help you grow personally and professionally”*



### General Objective

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- Update the nursing professional in the procedures for dealing with urgent digestive, nephrourological and endocrine system pathologies that occur in the out-of-hospital setting.



*Take the opportunity and take the step to get up to date on the latest developments in the care of Digestive, Nephrourological and Endocrine System Emergencies in the Out-of-Hospital Environment for Nursing"*





## Specific Objectives

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- ♦ List the pathological processes that most frequently cause abdominal pain
- ♦ Update the principles of pathophysiology in a process of intestinal obstruction
- ♦ Distinguish between edematous or necrotic-hemorrhagic pancreatitis
- ♦ Define the specific pathological picture of upper gastrointestinal bleeding
- ♦ Identify the different manifestations resulting from biliary diseases
- ♦ Update the procedures to be followed in the event of acute urinary retention
- ♦ Explain the differential diagnosis of acute renouretal colic
- ♦ Apply appropriate measures to reverse a diabetic ketoacidosis situation
- ♦ Discriminate between hyperosmolar coma and ketoacidosis
- ♦ Interpret a situation of hypoglycemia
- ♦ Recognize the semiology of an Addisonian crisis
- ♦ Properly define a myxedematous crisis
- ♦ Explain the process by which hyperthyroidism leads to a thyrotoxic crisis

03

# Course Management

This program includes in its teaching staff health professionals of recognized prestige, who belong to the field of emergency care in the out-of-hospital setting, and who pour into this training the experience of their work. In addition involved, renowned specialists, members of prestigious national and international scientific communities, are in designing and preparing the program.





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*Learn from leading professionals the latest advances in nursing procedures for Digestive, Nephrourological and Endocrine System Emergencies in the Outpatient Setting for Nursing”*

## Management



### Ms. Roldán del Amo, Adela

- ♦ University Diploma in Nursing. University School of Nursing Nuestra Señora de los Desamparados of Valencia.
- ♦ Specialist Nurse in Pediatric Nursing
- ♦ Pediatric Nurse in the Pediatric Hospitalization Unit 9 de Octubre NISA Hospital
- ♦ University Professor in: Diploma in Neonatal Nursing and Neonatal Intensive Care CEU – Cardenal Herrera University Moncada. Valencia
- ♦ University Professor in: First Aid, Cardiopulmonary Resuscitation and Emergency Situations CEU- ardenal Herrera University. Moncada. Valencia

## Professors

### Ms. Alfaro Ramírez, Concepción

- ♦ Diploma in Nursing. Catholic University of Valencia (UCV)
- ♦ Specialist Nurse in Pediatric Nursing
- ♦ Pediatric Emergency Services Supervisor 9 de Octubre Hospital NISA Valencia
- ♦ University Professor in: Diploma in Neonatal Nursing and Neonatal Intensive Care CEU– Cardenal Herrera University. Moncada. Valencia
- ♦ Professor in Child Nutrition Course at Nisa Hospitals Foundation

### Ms. Antón García, Gema

- ♦ University Diploma in Nursing (D.U.E.). Alicante University School of Nursing
- ♦ Obstetrics Nurse in Elche University General Hospital (Alicante). Clinical Practice Tutor
- ♦ Professional experience in childbirth and neonatology

**Ms. Balboa Navarro, Ana**

- ♦ Emergency Nurse the General Hospital of Elche (Alicante)
- ♦ Specialist Nurse in Pediatric Nursing
- ♦ Master's Degree in Nursing Sciences
- ♦ Instructor of Basic Life Support and Advanced Cardiovascular Life Support at the Spanish Society of Emergency Medicine and American Heart Association (SEMES-AHA)
- ♦ Pediatric and neonatal CPR instructor with the Spanish Group of Pediatric and Neonatal CPR
- ♦ Advanced Provider of "International Trauma Life Support" of SEMES-ITLS
- ♦ APLS credential (American Academy of Pediatrics and American College of Emergency Physicians)
- ♦ Professional teaching experience in University Masters and Postgraduate Courses

**Ms. López Ruiz, María Amparo**

- ♦ Degree in Medicine and Surgery. University of Valencia
- ♦ Pediatric Services 9 de Octubre NISA Hospital. Valencia
- ♦ Postgraduate course director: Diploma in Neonatal Nursing and Neonatal Intensive Care at CEU Cardenal Herrera– Moncada University (Valencia) and NISA Hospitals Foundation (Valencia)

**Ms. Lospitao Gómez, Sara**

- ♦ Nurse, Intensive Care Medicine Department, Fuenlabrada University Hospital, Madrid
- ♦ Cardiac Surgery Post-Surgical Intensive Care Unit (PCU) 12 de Octubre Hospital
- ♦ Coronary Intensive Care Unit 12 de Octubre Hospital
- ♦ Master's Degree in Critical Care Rey Juan Carlos University I
- ♦ Collaborating researcher in the multicenter study entitled

**D. Mora Rivero, Jorge**

- ♦ Degree in Nursing from the University of Alicante
- ♦ Master's Degree in Nursing Sciences
- ♦ Emergency Nurse at the General University Hospital of Elche (Alicante, Spain)  
Clinical Practice Tutor
- ♦ Professional teaching experience in University Masters and Postgraduate Courses
- ♦ Postgraduate Diploma in Primary Care Emergencies
- ♦ Degree in Emergency Medical Transportation (SAMU)

# 04

# Structure and Content

The structure of the contents has been designed by a team of professionals who are aware of the implications of training in daily nursing practice in out-of-hospital emergency care, aware of the relevance of current training in order to be able to act with patients with emergency pathology and committed to quality teaching through new educational technologies.







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*The Postgraduate Certificate in Digestive, Nephrourological and Endocrine System Emergencies in the Out-of-Hospital Setting for Nursing , contains the most complete and updated scientific program on the market”*

## Module 1. Digestive, Nephrourological and Endocrine System Emergencies

### 1.1. Digestive Emergencies

- 1.1.1. Acute Abdominal Pain
- 1.1.2. Intestinal Obstruction
- 1.1.3. Acute Gastroenteritis.
- 1.1.4. Acute Pancreatitis
- 1.1.5. Gastrointestinal bleeding.
- 1.1.6. Acute Biliary Disease

### 1.2. Nephrourological Emergencies

- 1.2.1. Acute Urinary Retention
- 1.2.2. Renoureteral Colic

### 1.3. Endocrine System Emergencies.

- 1.3.1. Diabetic ketoacidosis
- 1.3.2. Hyperosmolar Coma.
- 1.3.3. Hypoglycemia
- 1.3.4. Addisonian Crisis
- 1.3.5. Myxedema Crisis.
- 1.3.6. Thyrotoxic Crisis.





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*A unique, key, and decisive training experience to boost your professional development”*

05

# Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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 clinical situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant 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 university program.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our University is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 175,000 nurses with unprecedented success, in all specialties regardless of from the workload. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current nursing procedures and techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### Interactive Summaries

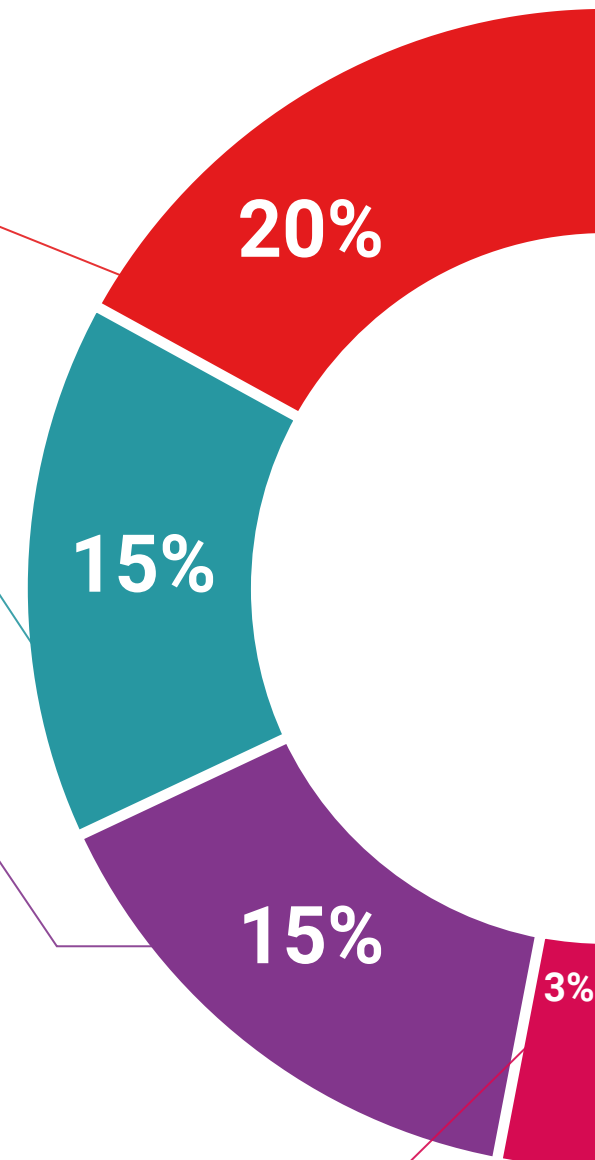
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



#### Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



### Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our future difficult decisions.



### Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



# 06 Certificate

The Postgraduate Certificate in Digestive, Nephrourological and Endocrine System Emergencies in the Out-of-Hospital Setting for Nursing guarantees you, in addition to the most rigorous and updated trained, access to a Postgraduate Certificate issued by TECH - Technological University.





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*Successfully complete this training and receive your diploma without the hassle of travel or paperwork”*

The Postgraduate Certificate in Digestive, Nephrourological and Endocrine System Emergencies in the Out-of-Hospital Setting for Nursing contains the most complete and updated scientific program on the market.

After students have passed the evaluations, they will receive their **Postgraduate Certificate** issued by **TECH - Technological University**.

The Certificate issued by **TECH - Technological University** will express the qualification obtained in the course, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional careers evaluation committees.

Title: **Postgraduate Certificate in Digestive, Nephrourological and Endocrine System Emergencies in the Out-of-Hospital Setting for Nursing**

Nº Hours: **100**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology  
community commitment  
personalized service innovation  
knowledge present  
development language  
classroom



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