

Postgraduate Certificate

Nursing in Nephrourological
and Endocrine Emergencies
in Primary Care





Postgraduate Certificate Nursing in Nephrourological and Endocrine Emergencies in Primary Care

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

Website: www.techtitute.com/us/nursing/postgraduate-certificate/nursing-nephrourological-endocrine-emergencies-primary-care

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 18

05

Methodology

p. 22

06

Certificate

p. 32

01

Introduction

The Postgraduate Certificate in Nursing in Nephrourological and Endocrine Emergencies in Primary Care is designed to update nursing care procedures for patients with renal and urinary system emergencies, as well as treat urgent endocrinological processes, which professionals frequently have to face in their daily clinical practice, thus helping them in their decision-making.





This Postgraduate Certificate addresses the main aspects of nephrourological and endocrine emergencies in Primary Care, so that you will be able to deal with situations that can compromise a patient's life. Learn how to identify, initially treat and transfer patients with neurological pathology from primary health care to the hospital"

This Postgraduate Certificate in Nursing in Nephrourological and Endocrine Emergencies in Primary Care is a complete program that includes comprehensive plans of systematized action in the face of emergencies of nephrological, urological and endocrinological etiology that primary care nurses must face in their daily clinical practice, helping them to make prompt and precise decisions.

The approach to acute renal failure and the management of acute urinary retention or nephritic colic are some of the topics in which this Postgraduate Certificate course focuses on in detail. Furthermore, it devotes an in-depth module to update the procedures for dealing with patients with endocrinological problems.

The program contents are based on the latest scientific evidence and the experience of renowned professionals in the field of Primary Care, which makes them practical and easy to transfer to routine clinical work.



Update your knowledge through the Postgraduate Certificate in Nursing in Nephrourological and Endocrine Emergencies in Primary Care in a practical way adapted to your needs”

The **Postgraduate Certificate in Nursing in Nephrourological and Endocrine Emergencies in Primary Care** contains the most complete and up-to-date 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.
- ◆ Latest diagnostic and therapeutic developments in the most frequent nephrological, urological and endocrinological emergencies in the primary health care setting; it also incorporates nursing interventions for patients with acute renal failure, acute urinary retention or nephritic colic.
- ◆ It also includes procedures for the care of patients with endocrine problems, hypoglycemia, Addisonian crisis or hyperosmolar coma.
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ◆ 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

“

This Postgraduate Certificate may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge of Nursing in Nephrourological and Endocrine Emergencies in Primary Care, you will obtain a qualification from TECH - Technological University”

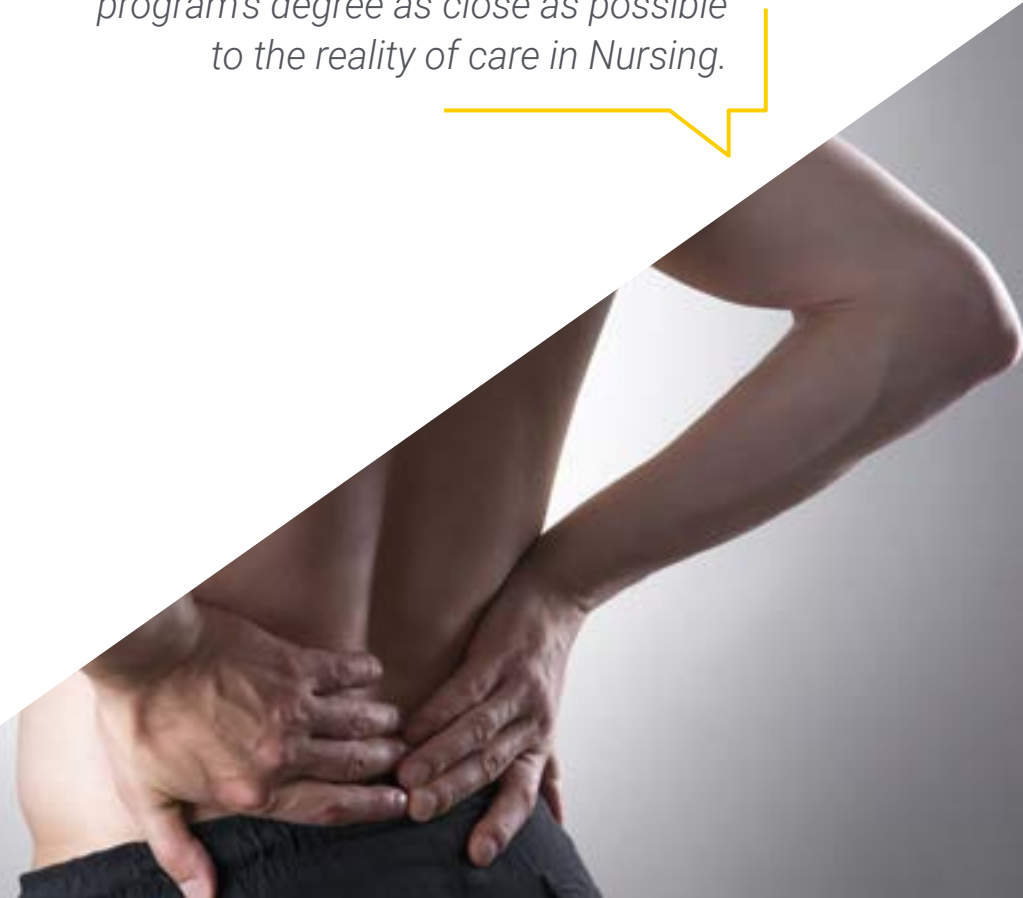
Forming part of the teaching staff is a group of professionals in the field of Primary Care, who bring to this course their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

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.

The program design is based on Problem-Based Learning, by means of which the nursing professional must try to solve the different professional practice situations that arise throughout the Postgraduate Certificate. For this reason, you will be assisted by an innovative, interactive video system created by renowned of health and and experienced experts in the field of Primary Care Emergencies with extensive teaching experience.

This Postgraduate Certificate provides training in simulated environments, which offers immersive learning designed to train professionals for real 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's primary objective is focused on theoretical and practical learning, so that nursing professionals can practically and rigorously master the approach to patients in emergency situations in primary health care.





“

This refresher program will generate a sense of confidence when practising nursing, which will help you grow both personally and professionally”



General Objective

- Establish rules of action for nephrological, urological and endocrine emergencies faced by nursing professionals in their daily clinical practice, helping them to make prompt and precise decisions



Make the most of the opportunity and take the step to get up to date on the latest developments in Nursing in Nephrourological and Endocrine Emergencies in Primary Care"





Specific Objectives

- ◆ Describe acute urinary retention and its main causes, and address patient management in the emergency department
- ◆ Describe the etiology and pathogenesis of renoureteral colic or nephritic colic
- ◆ Establish the typical clinical presentation of renal colic
- ◆ Explain the approach in the emergency department to patients with suspected renal colic
- ◆ Identify the most common precipitating factors in diabetic ketoacidosis
- ◆ Describe the diagnostic process of diabetic ketoacidosis by hyperglycemia, ketonuria and metabolic acidosis demonstration
- ◆ Define the hyperosmolar nonketotic hyperglycemic state as one of the most serious complications in diabetes
- ◆ Describe the groups of symptoms triggered by the blood glucose drop rate
- ◆ Manage hypoglycemic patients
- ◆ Classify the causes of Addisonian crises according to origin and rate of onset
- ◆ Determine the causes, symptomatology and approach to acute scrotum
- ◆ Explain the diagnosis and treatment of acute renal failure in the emergency department



03

Course Management

The program includes health professionals of recognized prestige in its teaching staff, who belong to the field of infectious patient care or oncological processes in the field of Primary Care, and who pour into this training the experience of their work. Also involved in designing and preparing the program are renowned specialists who are members of prestigious national and international scientific communities.



“

Learn from leading professionals the latest advances in nursing procedures for infectious and oncological emergencies in Primary Healthcare”

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.

- National Director of Clinical Innovation at US Acute Care Solutions, United States
- Emergency Physician at Allegheny Health Network
- Professor of Emergency Medicine at The George Washington University, USA
- Professor of Emergency Medicine at Drexel University
- Director of the Medical Research Fellowship Program at The George Washington University
- Director of the George Washington University Center for Health Research and Innovation
- M.D., Georgetown University
- Master of Business Administration from 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"

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. Maliszewski, Barbara

- 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

“

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

Management



Roig D' Cunha-Kamath , Francisco Vicente

- Degree in Medicine from the University of Valencia
- Specialist via MIR in Family and Community Medicine
- Assistant Physician in the Emergency Medicine Department at the University Clinical Hospital in 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

Dr. Ana Forés

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

Dr. José Vicente Brasó Aznar

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



04

Structure and Content

The content structure has been designed by a team of professionals knowledgeable about the implications of training in daily nursing practice in nephrourological and endocrine emergencies in Primary Care, aware of the current relevance of training to be able to act before patients with urgent pathology, and committed to quality teaching through new educational technologies.





“

The Postgraduate Certificate in Nursing in Nephrourological and Endocrine Emergencies in Primary Care contains the most complete and up-to-date scientific program on the market”

Module 1 Nephrological and Urologic Emergencies

- 1.1. Acute Kidney Failure
- 1.2. Acute Urinary Retention
- 1.3. Renal Colic
- 1.4. Acute Scrotum
- 1.5. Rhabdomyolysis

Module 2 Endocrine Emergencies

- 2.1. Hyperglycemia
 - 2.2.1. Diabetic ketoacidosis
 - 2.2.2. Hyperosmolar Nonketotic Coma
- 2.2. Hypoglycemia
- 2.3. Addisonian Crisis
- 2.4. Other Endocrine Emergencies



“

*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: **Relearning**.

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.



“

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.

“

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). Hence, 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 Nursing in Nephrourological and Endocrine Emergencies in Primary Care guarantees, in addition to the most accurate and up-to-date training, access to a qualification issued by TECH Technological University.





“

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

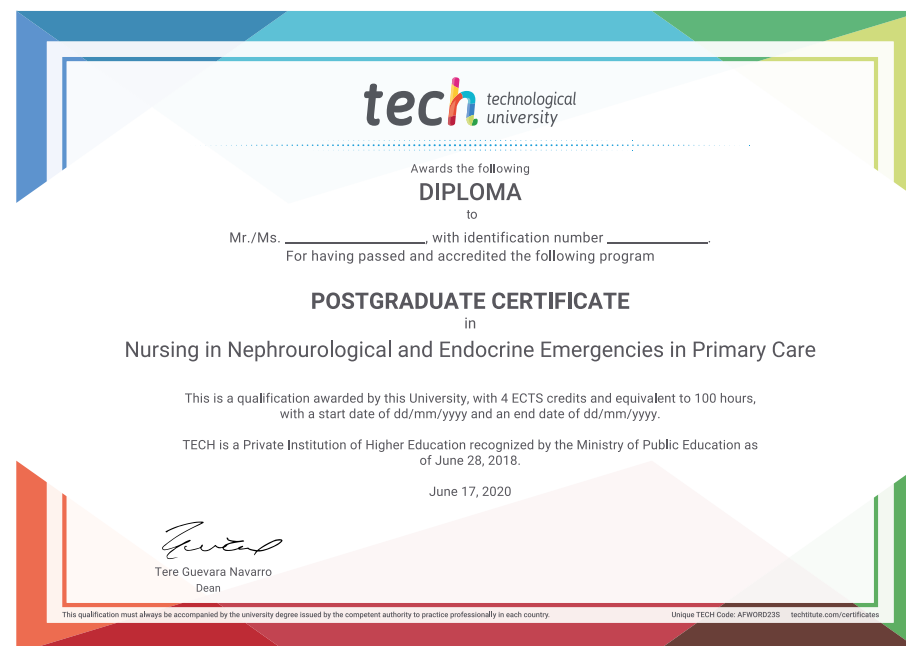
The Postgraduate Certificate in **Nursing in Nephrourological and Endocrine Emergencies in Primary Care** contains the most complete and up-to-date scientific program on the market.

After the student has passed the evaluations, they will receive their corresponding **certificate** issued by **TECH Technological University** via **tracked delivery**.

The diploma issued by **TECH Technological University** will specify the qualification obtained through the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Nursing in Nephrourological and Endocrine Emergencies in Primary Care**

Official N° of Hours: **100 h.**



*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.



Postgraduate Certificate Nursing in Nephrourological and Endocrine Emergencies in Primary Care

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

Postgraduate Certificate

Nursing in Nephrourological
and Endocrine Emergencies
in Primary Care