

# Postgraduate Certificate Peritoneal Dialysis for Nursing



## Postgraduate Certificate Peritoneal Dialysis 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/peritoneal-dialysis-nursing](http://www.techtute.com/us/nursing/postgraduate-certificate/peritoneal-dialysis-nursing)

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# 01

# Introduction

Chronic Kidney Disease is a growing problem worldwide. In Spain, according to the results of the EPIRCE study (Epidemiology of Chronic Renal Failure in Spain), it is estimated that approximately 10% of the adult population suffer from CKD. The percentage was 6.8% for stages 3-5, although there were important differences with age (3.3% between 40-64 years and 21.4% for those older than 64 years).





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*Improve your knowledge through this program, where you will find the best didactic material with real clinical cases. Learn here about the latest advances in the specialty to be able to perform a quality nursing practice"*

Nursing plays a decisive role in the care of the patient with chronic kidney disease, both from its onset and in later stages. In addition to skills in renal replacement techniques such as the acquisition of specific professional competencies, specific and quality care is required in the various studies of renal disease.

The care of the nephrological patient, including renal function replacement techniques, has made significant advances in recent years, both in terms of renal transplantation and the health care of the nephrological patient, requiring specialized and continuous training for nurses. Such specialized training is rarely found in standard curricular training, so many nurses are unaware of important aspects of caring for these patients. Training in this area is necessary to guarantee a minimum quality of care.

This **Postgraduate Certificate in Peritoneal Dialysis for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ◆ Development of clinical cases presented by experts in nephrology nursing. The graphic, schematic, and eminently practical contents with which they are created, provide scientific and healthcare training on those medical disciplines that are essential to professional practice
- ◆ Diagnostic and therapeutic developments on Peritoneal Dialysis performance for Nursing.
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ◆ With a special emphasis on evidence-based medicine and nursing research methodologies in the renal patient.
- ◆ 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



*Increase your competencies in the Peritoneal Dialysis for Nursing approach through this program"*

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*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 in Peritoneal Dialysis for Nursing, you will obtain a certificate from TECH Technological University"*

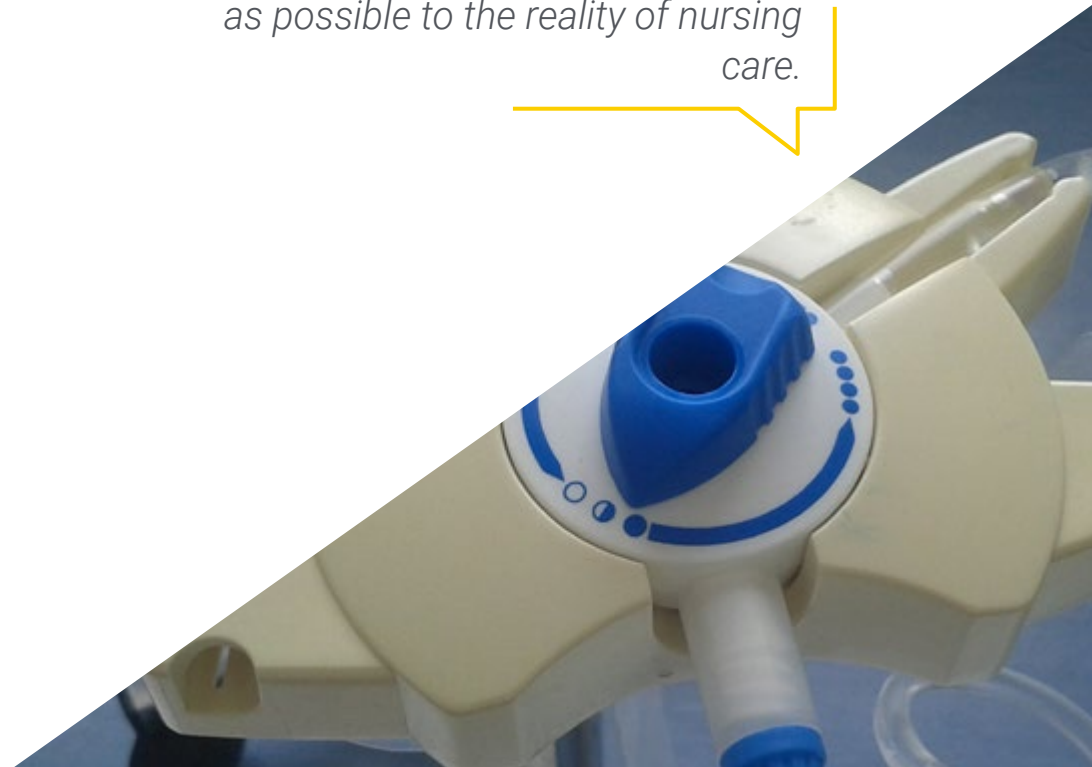
Its teaching staff includes health professionals in the field of nephrological nursing, who bring to this training the experience of their work, in addition to recognized specialists belonging to scientific societies of reference.

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 an immersive training program to train in real situations.

This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. This will be done with the help of an innovative interactive video system developed by recognized experts in the field of nephrology nursing with extensive teaching experience.

*The Postgraduate Certificate allows training in simulated environments, which provide immersive learning programmed to train for real situations.*

*Includes clinical cases to bring the development of the program as close as possible to the reality of nursing care.*





# 02 Objectives

The main objective of the program is the development of theoretical and practical learning, so that the nurse can master in a practical and rigorous way the Peritoneal Dialysis for Nursing.







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



## General Objectives

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- ◆ Revise the most common procedures, techniques and care methods in routine clinical practice when dealing with patients with chronic kidney disease.
- ◆ Optimize the quality and care of dialysis patients by providing more highly qualified healthcare professionals.
- ◆ Develop competencies and skills for the comprehensive approach and management of the renal patient.







## Specific Objectives

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- ◆ Develop in nursing professionals the set of knowledge and skill competencies for the comprehensive approach and management of the patient in the Peritoneal Dialysis Program.
- ◆ Provide the essential fundamentals and the latest theoretical and practical advances to any professional who needs or decides to start learning about Peritoneal Dialysis or who, being already in it, wants to update their knowledge.
- ◆ Update knowledge in the care, approach and management of the patient in Peritoneal Dialysis program.

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*Make the most of this opportunity and take the step to get up to date on the latest developments in Peritoneal Dialysis for Nursing”*

03

# Course Management

This program includes in its teaching staff health professionals of recognized prestige, who belong to the field of nephrological nursing, and who pour into this training the experience of their work.

In addition, renowned specialists, members of prestigious national and international scientific communities, are involved in designing and preparing the program.







“

*Learn from leading professionals the latest advances in Peritoneal Dialysis for Nursing”*

## Management



### Molina Fuillerat, Ruth

- ◆ Diploma in Nursing from the University of Cadiz, with a extensive experience working in Nephrology Services: Dialysis. Doctor Negrín Hospital (Las Palmas de Gran Canaria), Torrecárdenas Hospital (Almería) y Virgen de las Nieves Hospital y Clínico San Cecilio Hospital, (Granada). Currently wokring in the hemodialysis unit at Campus de la Salud Hospital (Granada) Co-author of the health application Dialysis 24h.
- ◆ 1st prize Hinnovar de Novartis, 2014 edition, Hospital Management Category
- ◆ Accésit Professor Barea Award 2015 "Effect of a support tool on adherence to treatment, anxiety and quality of life of dialysis patients".
- ◆ Award for the isysCore Foundation, naming Dialysis 24h as the second best app in Spain,
- ◆ Bandera de Andalucía 2015 for the commitment, dedication and devotion as a nurse in the Dialysis 24h app.
- ◆ Albert Jovell Award 2016 Accésit to Diálisis 24h app for "Best initiative that improves patient health outcomes, developed by healthcare professionals, individually or as a team".

## Professors

### Torres Colomera, Inmaculada

- ◆ Diploma in Nursing
- ◆ Nephrology CMU Nurse
- ◆ Head of Nursing in Peritoneal Dialysis Unit
- ◆ Torrecárdenas Hospital. Almeria, Spain





04

# Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of training in daily Nursing practice in Peritoneal Dialysis, aware of the relevance of the current importance of training to be able to act before the patient with renal pathology, committed to quality teaching through new educational technologies.







“

*This Postgraduate Certificate in Peritoneal Dialysis for Nursing, contains the most complete and up-to-date scientific program on the market”*

## Module 1. Peritoneal Dialysis

- 1.1. Update on Peritoneal Dialysis
- 1.2. Indications and Contraindications of Peritoneal Dialysis
  - 1.2.1. Indications
  - 1.2.2. Contraindications
- 1.3. Dialyzing Membrane
  - 1.3.1. Types
  - 1.3.2. Functions
  - 1.3.3. Features
- 1.4. Peritoneal Access
  - 1.4.1. Peritoneal Catheters
  - 1.4.2. Types
  - 1.4.3. Peritoneal Catheter Implantation
- 1.5. Nursing care
  - 1.5.1. Perioperative
  - 1.5.2. The Operating Room
  - 1.5.3. Post Surgery
- 1.6. Post-surgery Complications
  - 1.6.1. Postoperative Complication Management and Action
- 1.7. Complications in Peritoneal Dialysis
  - 1.7.1. Peritonitis
  - 1.7.2. Exit Wound Infections
  - 1.7.3. Leakage
  - 1.7.4. Hernias
    - 1.7.4.1. Diagnosis and Treatment



- 1.8. Advantage of Peritoneal Dialysis (PD)
  - 1.8.1. Types of Peritoneal Dialysis
- 1.9. Solutions for Dialysis
  - 1.9.1. Features
  - 1.9.2. Types
- 1.10. Catheter and Exit Wound Care
  - 1.10.1. Update on Catheter Care
- 1.11. Equipment Management
  - 1.11.1. Cyclor
  - 1.11.2. Manual Peritoneal Dialysis
- 1.12. Protocol for Teaching the Patient PD
  - 1.12.1. Training and Teaching the Patient and their Carer
- 1.13. Protocol for Monitoring the Patient on PD
  - 1.13.1. Nurse House Visit
- 1.14. Administration of Drugs in PD
  - 1.14.1. Use, Dosage and Administration Routes

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

05

# Methodology

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

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***.







*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 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 for Harvard 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.





## Re-learning Methodology

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

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 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 specialities regardless of practical 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 (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 the videos as many times as you like.



### Interactive Summaries

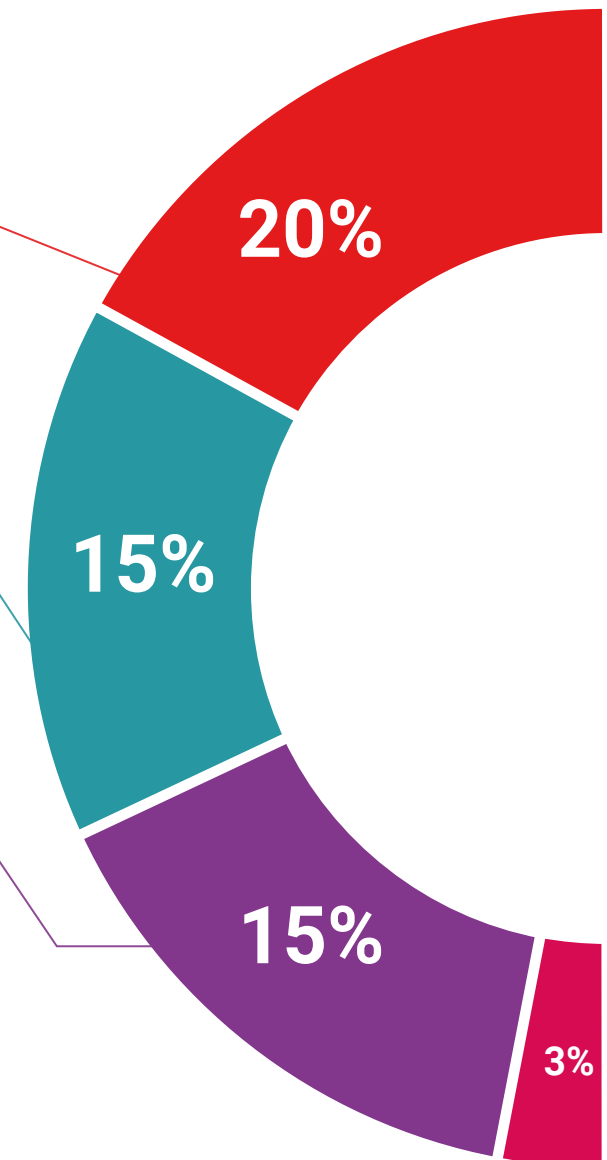
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

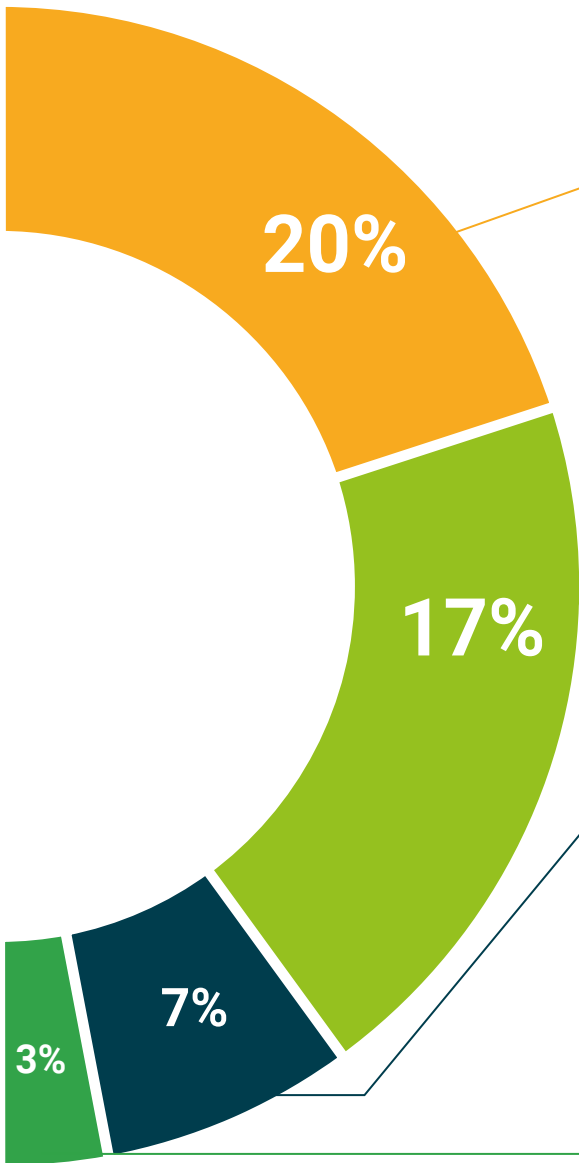


### Additional Reading

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 & Re-Testing

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 Peritoneal Dialysis for Nursing guarantees you, in addition to the most rigorous and up-to-date training, access to a certificate issued by TECH Technological University.





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*Successfully complete this training and receive your certificate without travel or laborious paperwork”*



This **Postgraduate Certificate in Peritoneal Dialysis for Nursing** contains the most complete and up-to-date scientific program on the market.

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

This degree contributes to the academic development of the professional and adds a high university curricular value to their training. It is 100% valid in all competitive examinations, labour exchanges and professional career evaluation committees.

Title: **Postgraduate Certificate in Peritoneal Dialysis for Nursing**

ECTS: **9**

Official Number of Hours: **225**



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



## Postgraduate Certificate Peritoneal Dialysis for Nursing

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

# Postgraduate Certificate

## Peritoneal Dialysis for Nursing