

# Postgraduate Certificate

Nutrition in Renal, Hepatic and  
Pancreatic Diseases for Nursing



## Postgraduate Certificate

### Nutrition in Renal, Hepatic and Pancreatic Diseases for Nursing

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/nursing/postgraduate-certificate/nutrition-renal-hepatic-pancreatic-diseases-nursing](http://www.techtute.com/us/nursing/postgraduate-certificate/nutrition-renal-hepatic-pancreatic-diseases-nursing)

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# 01

# Introduction

Patients with kidney, liver and/or pancreatic diseases must follow a strict diet adapted to their nutritional needs, with the aim that these pathologies do not worsen or lead to others that seriously affect their health. This is why the nursing specialist must always handle the most up-to-date information related to dietary recommendations for each case, in order to always offer completely personalized care based on the latest scientific evidence in Nutrition and Endocrinology, aspects that You will be able to work with the course of this program. Through a 100% online program, you will be able to update your knowledge exhaustively in just 6 weeks and with the endorsement and support of a team of experts specialized in the area.



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*A 100% online program, designed by experts in Endocrinology and Nutrition with which you can get up to date on nutrition in patients with kidney, liver and/or pancreatic diseases in just 6 weeks”*

A nephro-healthy eating plan includes adequate and balanced intake of fats, carbohydrates and proteins, and also recommends drinking plenty of water to replace other drinks such as soft drinks, juice and, of course, alcohol. The same thing happens when a person suffers from liver or pancreatic disease, who must adapt their diet to the nutritional requirements that their body needs to maintain good health.

In these cases, the role of the nurses, not only in the design of the plans, but in teaching habits and monitoring compliance with the diet, is fundamental, although these tasks must always be carried out taking into account the most recent information. updated from the Endocrinology, Nutrition and Dietetics sector. That is why TECH wanted to collect in this Postgraduate Certificate in Nutrition in Renal, Hepatic and Pancreatic Diseases for Nursing the news related to this topic. Over 180 hours, the specialist will be able to delve into the most relevant aspects of nutrition in patients with this type of pathology, as well as update their knowledge about everything related to nutritional planning and organization.

All this through a 100% online program that includes detailed videos, research articles, dynamic summaries of each unit, images, complementary readings and real clinical cases extracted from the consultations of the teaching team, experts in the sector who will accompany the graduate during the academic experience. In addition, you can access the Virtual Classroom at any time and from any device with an internet connection, allowing you to combine the course of this degree with your professional and personal life without problem.

This **Postgraduate Certificate in Nutrition in Renal, Hepatic and Pancreatic Diseases for Nursing** 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 Nutrition experts and Endocrinology
- ♦ The graphic, schematic, and practical contents which provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out 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



*A program that adapts to you and your academic needs as a nurse, putting at your disposal the best material and the possibility of taking this degree from wherever you want and whenever you want"*

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*The syllabus includes a review of enzymatic activity, metabolism, filtration and diuresis, so you can catch up without leaving anything behind”*

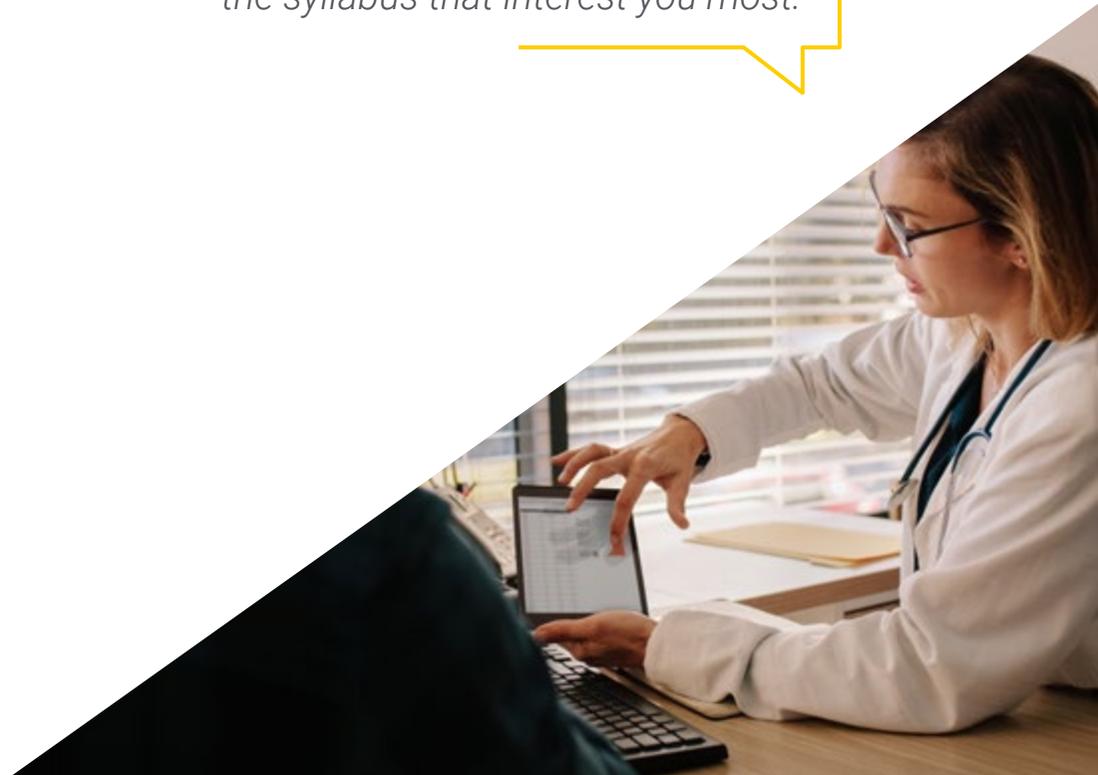
The program’s teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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.

*You will delve into the risks of bad eating habits, as well as the comorbidities they can cause.*

*In the Virtual Classroom you will find hours of additional material so you can delve deeper into the aspects of the syllabus that interest you most.*



# 02 Objectives

Given the specificity that the Nursing professional must have to create diets adapted to the nutritional requirements of patients with kidney, liver and/or pancreatic diseases, TECH has designed this program with the objective that they can catch up and increase their knowledge in only 6 weeks. In this way, through the use of the best academic tools, you will be able, not only to perfect your professional skills and competencies, but to exceed your most demanding and high academic expectations.



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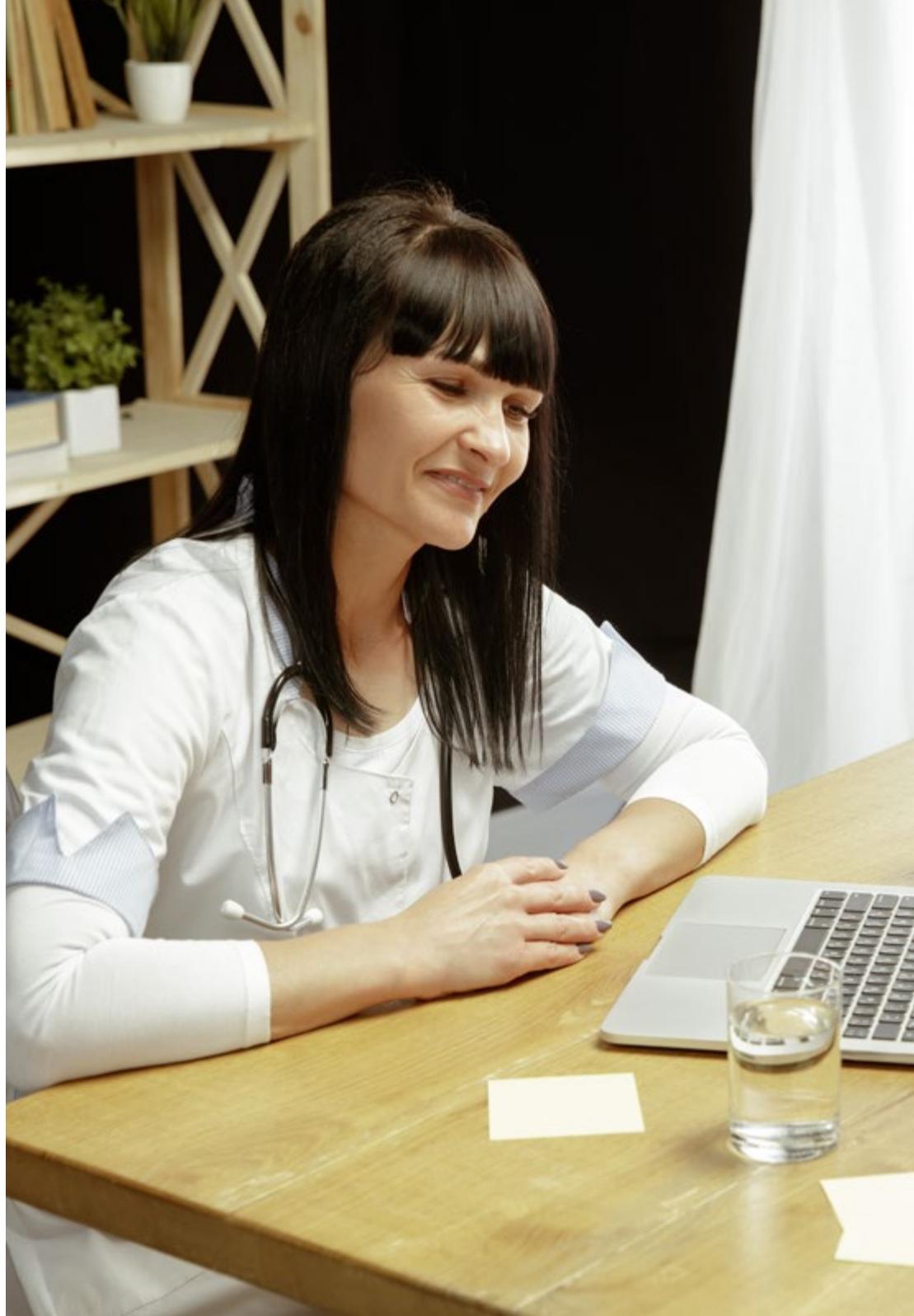
*If your goals include managing the most up-to-date information related to Nutrition in kidney transplant patients, look no further. This program will provide you with the most innovative data”*



## General Objectives

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- Allow the graduates to get up to date exhaustively on everything related to nutritional planning for patients with liver, pancreatic and kidney diseases
- Provide professionals with the most innovative and effective academic tools that allow them to meet their own academic objectives in a simple, dynamic way and highly beneficial for your professional performance





## Specific Objectives

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- ◆ Update The knowledge of renal, hepatic and pancreatic functions and pathologies, and their relationship with nutrition
- ◆ Assess clinical cases, application tools in nutrition consultation
- ◆ Plan nutritional an the treatments based on scientific evidence and assessment of evolution

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*You will have real clinical cases so that you can work on your skills and perfect your skills as a specialist nurse”*

# 03

# Course Management

TECH has selected a teaching team made up of specialists in Endocrinology and Nutrition from different areas of health for this program. These are active professionals who will provide the program with a current, critical and dynamic character. In addition, they will make their experience available to the graduates, so that they can acquire exhaustive and in-depth knowledge, while updating their strategies, techniques and action protocols.





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*TECH offers you the possibility of requesting individualized tutorials with the teaching team, so that you do not have any doubts about the syllabus”*

## Management



### Dr. Vázquez Martínez, Clotilde

- Corporate Head in the University Hospital Endocrinology and Nutrition Departments, Jiménez Díaz La Foundation
- Head of the Endocrinology and Nutrition Service at Móstoles University Hospital
- Head of the Endocrinology and Nutrition Service at Móstoles University Hospital
- President of La Society of Endocrinology, Nutrition, and Diabetes of the Community of Madrid (SENDIMAD)
- Coordinator Therapeutic Education Group Group of the Spanish Society of Diabetes
- Doctorate from the Faculty of Medicine at the Autonomous University of Madrid
- Degree in Medicine and Surgery from the Faculty of Medicine of the University of Valencia
- Specialist in Pediatric Endocrinology and Nutrition at the university Foundation Jimenez Díaz Hospital
- Abraham García Almansa Clinical Nutrition Lifetime Achievement Award
- Recognized among the 100 best Doctors in Spain according to Forbes list
- Castilla - La Mancha Diabetes Foundation (FUCAMDI) Diabetes and Nutrition Lifetime Achievement Award



### **Dr. Sánchez Jiménez, Álvaro**

- Specialist in Nutrition and Endocrinology at Jiménez Díaz Foundation Hospital university
- Nutritionist at Medicadiet
- Clinical Nutritionist specialized in prevention and treatment of obesity, diabetes and their comorbidities
- Nutritionist in the Predimed Plus Study
- Nutritionist at Eroski
- Nutritionist at Axis Clinic
- Professor, Master's Degree in in Obesity and comorbidities, Rey Juan Carlos University
- Professor of the Excellence Course in Obesity at the Jiménez Díaz Foundation University Hospital
- Graduate in Human Nutrition and Dietetics from the Complutense University of Madrid
- Nutrition in the Elderly, Complutense University of Madrid
- Nutrition and Sport for Professionals, Tripartite Foundation
- Refresher course on practical type 1 and 2 diabetes for healthcare professionals



### Dr. Montoya Álvarez, Teresa

- Head of the Endocrinology and Nutrition Service of the Infanta Elena University Hospital
- Head of Volunteering at the Garrigou Foundation
- Graduate in Medicine and Surgery from Universidad de Navarra
- Master in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos
- Course in Bariatric Antecedents of Surgery Patient Emergencies: Key References for the Attending Physician
- Member of: Institute for Health Research Foundation Jiménez Díaz, Health Commission of FEAPS Madrid and Trisomy 21 Research Society

## Professors

### Ms. Manso del Real, Paula

- Deputy Director of Nursing at the Íñigo Álvarez de Toledo Renal Foundation
- Nursing Supervisor of the Dialysis Unit of the Íñigo Álvarez de Toledo Renal Foundation
- Nephrology Nurse at the Nephrology Unit of the Fundación Jiménez Díaz University Hospital
- Diploma in Nursing at the Francisco de Vitoria University
- Degree in International Cooperation and Health Promotion at the Francisco de Vitoria University
- Degree in International Cooperation and Health Promotion at the Francisco de Vitoria University
- Master's Degree in Hemodialysis for Nurses at the Complutense University of Madrid

### Dr. Modroño Móstoles, Naiara

- Specialist in Endocrinology
- Doctor Specialist in Pediatric Endocrinology and Nutrition at the university Foundation Jimenez Diaz Hospital
- Doctor Specialist in Endocrinology the Infanta Elena University Hospital
- Doctor Specialty in Endocrinology at the University Hospital of Getafe
- Author of various articles published in scientific journals
- Postgraduate Certificate in Treatment of Diabetes Mellitus Type 2 at the Autonomous University of Barcelona



**Dr. Sanz Martínez, Enrique**

- ◆ Clinical Nutritionist at the University Hospital General de Villalba and Rey Juan Carlos University Hospital
- ◆ Dietitian in the project PLUS researcher in the Health Research Institute of the Jiménez Díaz Foundation
- ◆ Researcher and collaborator in the NUTRICOVID study
- ◆ Researcher and collaborator in the cross-sectional prospective OBESTIGMA study
- ◆ Graduate in Human Nutrition and Dietetics at the Complutense University of Madrid
- ◆ Master's Degree in Clinical Nutrition at the Catholic University of San Antonio in Murcia
- ◆ Master in Obesity and its Comorbidities: Prevention, Diagnosis and Integral Treatment at the University Rey Juan Carlos

**Dr. González Toledo, Beatriz María**

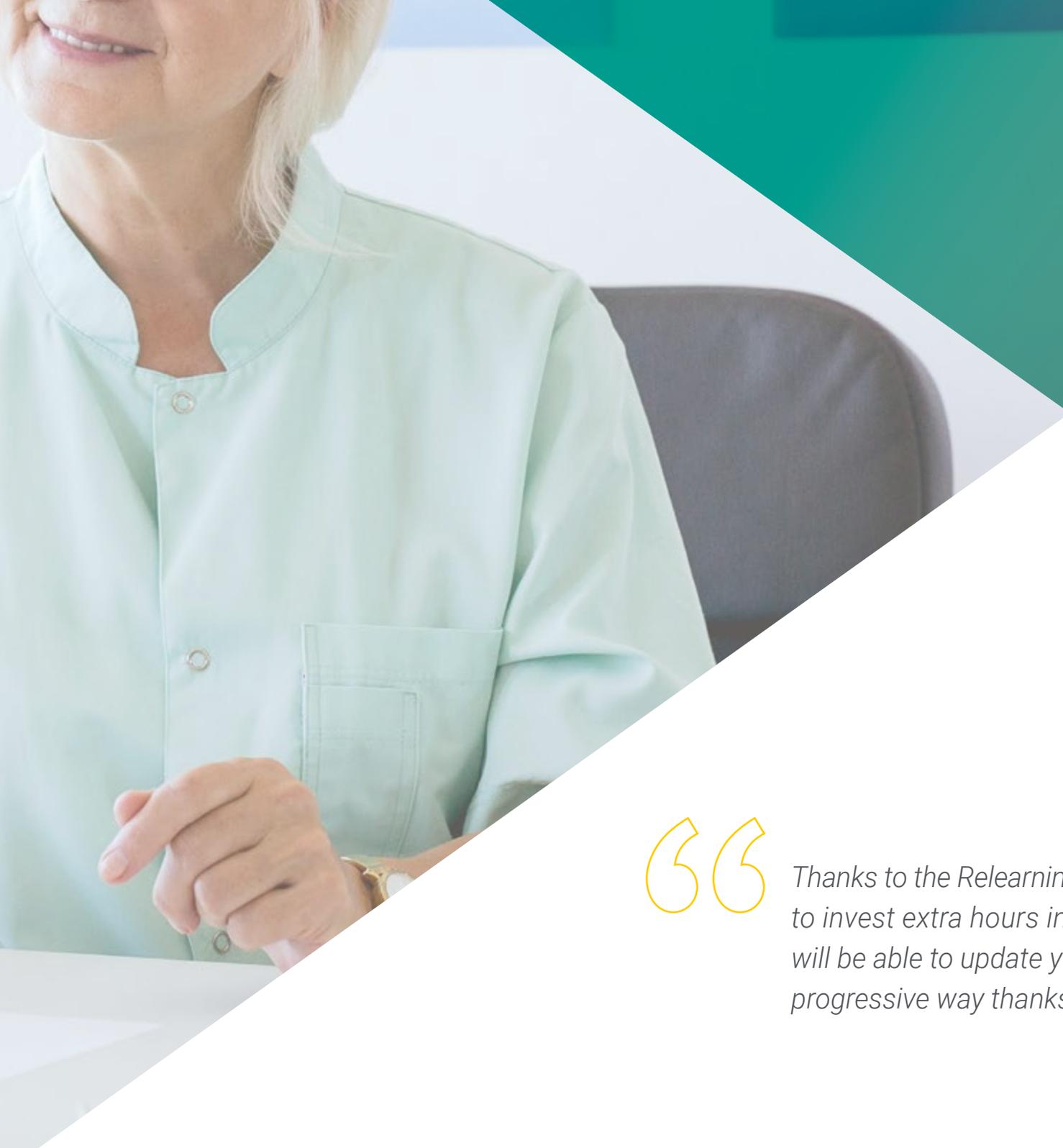
- ◆ Nurse expert in Hemodialysis and Nutrition and Health
- ◆ Nephrology Nurse Unit of the Fundación Jiménez Díaz Hospital
- ◆ Nurse Director of Dialysis at the Íñigo Álvarez de Toledo Renal Foundation
- ◆ Master's Degree in Hemodialysis for Nurses at the Complutense University of Madrid
- ◆ Master's Degree in Nutrition and Health at the Open University of Catalonia
- ◆ Postgraduate Diploma in Peritoneal Dialysis for Nurses at Cardenal Herrera University
- ◆ Graduate in Nursing from the Autonomous University of Madrid

# 04

## Structure and Content

Currently, TECH is one of the best online universities in the world, not only in terms of the size of its academic offering, but also based on the positive assessment of the hundreds of thousands of students who have chosen it to update and expand their knowledge in many areas. All of this is thanks to the use of the most modern educational technology, the best syllabi and specialized knowledge of what each graduate needs based on the demand of their sector. In this way, it is possible to offer qualifications like this one, which allow, 100% online, for nurses to catch up without having to give up their practice activity.





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*Thanks to the Relearning methodology you will not have to invest extra hours in studying or memorizing. You will be able to update your knowledge in a natural and progressive way thanks to the reiteration of concepts”*

## Module 1. Nutrition in Renal, Hepatic and Pancreatic Diseases

- 1.1. Nutrients
  - 1.1.1 Enzymatic Activity, Metabolism, Filtration and Diuresis
- 1.2. Habits, Risks, Previous and Causative Comorbidities, and Assessment of Feeding Habits
- 1.3. Nutrition in CKD: Predialysis
- 1.4. Nutrition in CKD: Dialysis: Renal Transplantation
- 1.5. Diabetic Nephropathy
- 1.6. Renal Lithiasis
- 1.7. Pancreatic Insufficiency
- 1.8. Non-Alcoholic Hepatic Steatosis, Fibrosis, Hepatic Cirrhosis and Vesicular Lithiasis
- 1.9. Modulation of the Intestinal Microbiota in Renal, Pancreatic and Hepatic Pathology
- 1.10. Psychological Aspects and Planning of Objectives and Consultations





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*Don't think twice and opt for a multidisciplinary and versatile program that will provide your professional career with an extra commitment to your patients”*

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

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

*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 prepared more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. Our educational 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 adapted in 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

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 Nutrition in Renal, Hepatic and Pancreatic Diseases for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This program will allow you to obtain your **Postgraduate Certificate in Nutrition in Renal, Hepatic and Pancreatic Diseases for Nursing** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

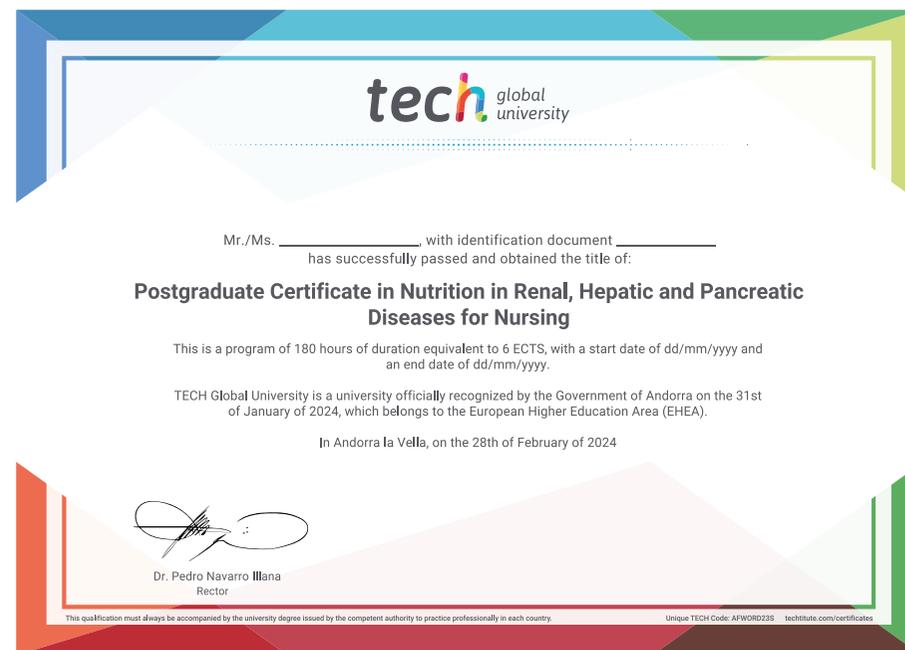
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Nutrition in Renal, Hepatic and Pancreatic Diseases for Nursing**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





## Postgraduate Certificate

Nutrition in Renal, Hepatic and Pancreatic Diseases for Nursing

- » Modality: online
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- » Schedule: at your own pace
- » Exams: online

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## Nutrition in Renal, Hepatic and Pancreatic Diseases for Nursing

