

Postgraduate Certificate

New Extrarenal Depuration Techniques in the Hospital Setting for Nursing





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New Extrarenal Depuration Techniques in the Hospital Setting for Nursing

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 4 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techitute.com/us/nursing/postgraduate-certificate/new-extrarenal-depuration-techniques-the-hospital-setting-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 teaching material with real clinical cases. Learn with us about the latest advances in the specialty to be able to perform 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 education for nurses. Such specialized education is rarely found in standard curricular learning, so many nurses are unaware of important aspects of caring for these patients. Education in this sense is necessary to guarantee a minimum quality of care.

This **Postgraduate Certificate in New Extrarenal Depuration Techniques in the Hospital Setting for Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ Development of clinical cases presented by experts in nephrology nursing
- ◆ 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
- ◆ Diagnostic and therapeutic developments on the performance of New Extrarenal Depuration Techniques in the Hospital Setting 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 skills in the approach of New Extrarenal Depuration Techniques in the Hospital Setting for Nursing through this program"

“

This Postgraduate Certificate is the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in New Extrarenal Depuration Techniques in the Hospital Setting for Nursing, you will obtain a certificate endorsed by TECH Technological University"

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

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed to prepare 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 throughout the program. 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.

This Postgraduate Certificate allows specializing in simulated environments, which provide immersive learning programmed to prepare for real situations.

It 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 New Techniques of Extrarenal Depuration in the Hospital Setting.





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



General Objectives

- 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 transplanted patients, providing more qualified healthcare professionals
- Develop competencies and skills for the comprehensive approach and management of the renal patient



Make the most of this opportunity and take the step to get up to date on the latest developments in New Extrarenal Depuration Techniques in the Hospital Setting for Nursing”





Specific Objectives

- ◆ Acquire knowledge of the different extrarenal depuration techniques
- ◆ Know the different parameters of efficacy, dosage, water balance of treatment in each technique
- ◆ Gain up-to-date knowledge of the care required by the patient in a Hemodialysis program
- ◆ Update knowledge that allows the student to distinguish the different types of vascular accesses and to know the management and care of each one of them
- ◆ Gain up-to-date knowledge of the strategies for patients at high risk of bleeding
- ◆ Describe the different types of coagulation in a hemodialysis session as well the latest developments for the control and care of chronic renal patients
- ◆ Update knowledge and advances in the different hospital-based renal replacement therapy techniques

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 program the experience of their work.

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





“

Learn from leading professionals the latest advances in New Extrarenal Depuration Techniques in the Hospital Setting for Nursing”

Management



Ms. Molina Fuillerat, Ruth

- ◆ Specialist Nurse in Nephrology and Dialysis
- ◆ Co-creator of the 24-hour Dialysis App
- ◆ Nurse Specialist in the hemodialysis unit at Campus de la Salud Hospital, Granada
- ◆ Nurse Specialist in the Ophthalmology Unit, Virgen de las Nieves Hospital, Granada
- ◆ Specialist Physician in the Dialysis Area of the Clinical Hospital San Cecilio, Granada
- ◆ Nurse Specialist in the Dialysis Unit of the Doctor Negrin Hospital in Las Palmas de Gran Canaria
- ◆ Nurse Specialist in the Dialysis Unit of the Torrecárdenas Hospital, Almería
- ◆ Accésit Albert Jovell Award 2016 Accésit to Diálisis 24h app for "Best initiative that improves patients' health outcomes, developed by healthcare professionals, individually or as a team"
- ◆ 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
- ◆ Diploma in Nursing. Cádiz University

Professors

Ms. Bravo Bazán, Marina

- ◆ Nurse Specialist in the Hemodialysis Department
- ◆ Nurse of the Nephrology CMU, Hemodialysis Service, Virgen de Las Nieves Hospital Granada, Spain
- ◆ University Teacher
- ◆ Diploma in Nursing

Ms. Frasquet Morant, Julia

- ◆ Nurse in the Intensive Care Unit of the Dr. Negrín University Hospital of Valencia. Las Palmas de Gran Canaria, Spain
- ◆ Diploma in Nursing. Clinical Hospital of Valencia
- ◆ Member of the Board of Directors for the Canary Islands of AECPAL, Spanish Association of Palliative Care Nursing

Ms. Pérez Jiménez, María Teresa

- ♦ Palliative Care Nurse Practitioner
- ♦ Nurse of the Palliative Care Home Support Team. Regional University Hospital of Málaga
- ♦ Nurse in the Acute Mental Health Unit. Civil Hospital, Málaga
- ♦ Contributing writer in the Nursing section of the Fanzine, nuestraenfermeria.es
- ♦ Nurse in the Child and Adolescent Psychiatry Unit. Son Espases University Hospital, Balearic Islands
- ♦ Coordinator of the Digital Magazine "Redes de Dirección de Enfermería" of the Son Espases Hospital
- ♦ Communicational Management and events of Mental Health Nursing, psiquitria.com
- ♦ President of the International Virtual Congress of Mental Health Nursing, editions I and II
- ♦ Nurse. La Ribera University Hospital, Valencia.
- ♦ Nurse. Francesc de Borja Hospital, Valencia
- ♦ Diploma in Nursing. University of Jaén
- ♦ Master's Degree in Nursing Management. CEU Cardenal Herrera University
- ♦ Master's Degree in Digital Health. Miguel de Cervantes European University

Mr. Arenas Bonilla, Manuel Fernando

- ♦ Hemodialysis Service Nurse, Torrecárdenas Hospital. Almeria, Spain
- ♦ University Professor
- ♦ Diploma in Nursing

Ms. Cruz Gómez, Sandra

- ♦ Diploma in Nursing
- ♦ Surgical Nurse
- ♦ Santa Ana Motril Hospital Granada, Spain

Mr. Aguilar Amores, Manuel Salvador

- ♦ Dialysis Product Applications Specialist
- ♦ Dialysis and Renal Transplant Nurse. Andalusian Health Service
- ♦ Primary Care Nurse
- ♦ University Professor
- ♦ Diploma in Nursing. University of Seville
- ♦ Master's Degree in Nephrology Nursing. International University of Andalusia
- ♦ Expert in Pediatric Hemodialysis for Nursing. CEU Cardenal Herrera University
- ♦ University Expert, Human Resources Management in Nursing. National University of Distance Education - UNED
- ♦ 2019 Award from the Alcer Renal Foundation, Area of Dialysis and Prevention of Chronic and Advanced Kidney Disease. For the national initiative [##HemodiálisisBaila](https://www.instagram.com/HemodiálisisBaila)
- ♦ Baxter Research Award, issued by EDTNA/ERCA associated with SAS

Ms. Fraile Bravo, Mercedes

- ♦ Nurse specialist in Nephrology
- ♦ Care Coordinator for the Extremadura Health Service
- ♦ Author of numerous publications in the Scientific Journal of the Spanish Society of Neurological Nursing
- ♦ PhD in Nursing
- ♦ Associate Professor, Department of Nursing, University of Extremadura
- ♦ Diploma in Nursing
- ♦ Degree in Social and Cultural Anthropology
- ♦ Member of the Spanish Society of Neurological Nursing

Ms. Gómez Reina, Encarnación

- ◆ Clinical Psychologist and Pediatric Nurse
- ◆ Independent clinical psychologist
- ◆ Pediatric Nurse in the Palliative Care Unit of the Tomillar Hospital
- ◆ Degree in Nursing from the University of Seville
- ◆ Degree in Psychology from the National Distance Education University

Ms. González Lobo, María Ángeles

- ◆ Specialist Nurse in Surgery and Dialysis
- ◆ Member of the Organ Transplant and Kidney Implant Team at the Virgen de Las Nieves Hospital
- ◆ Diploma in Nursing

Mr. Granados Camacho, Sergio

- ◆ Nurse in the Hemodialysis and Chronic Diseases Unit
- ◆ Member of the Kidney, Kidney-Pancreas Transplant protocol team of the Regional University Hospital
- ◆ Diploma in Nursing
- ◆ Member of the Spanish Society of Nephrology Nursing

Mr. Guisado Oliva, José

- ◆ Nurse expert in Hemodialysis
- ◆ Nurse at Campus de la Salud Hospital
- ◆ Diploma in Nursing

Ms. Sánchez García, Belén

- ◆ Diploma in Nursing
- ◆ Nurse in Carlos Haya Hospital Málaga, Spain

Dr. Gutiérrez Vilchez, Elena

- ◆ Head of Pediatric Hemodialysis Department, Carlos Haya Hospital
- ◆ Specialist in Nephrology
- ◆ University Professor
- ◆ Researcher and author of several scientific journals
- ◆ Degree in Medicine and Surgery
- ◆ Specialization in Nephrology
- ◆ Member of the Spanish Society of Nephrology

Ms. Laguna Fernández, Clara

- ◆ Diploma in Nursing, Carlos Haya Hospital Málaga, Spain

Dr. López-González Gila, Juan de Dios

- ◆ Nephrologist Physician
- ◆ Nephrology Physician at San Cecilio University Hospital
- ◆ Nephrology Resident at the Virgen de Las Nieves Hospital in Granada
- ◆ University Professor
- ◆ Degree in Medicine and Surgery
- ◆ Member of the Society of Dialysis and Renal Transplantation

Ms. Rebollo Rubi, Ana

- ◆ Nurse Specialized in Nephrology
- ◆ ERCA Nurse Consultation Carlos Haya Regional University Hospital, Málaga
- ◆ Nurse. Carlos Haya Regional University Hospital, Málaga
- ◆ Diploma in Nursing
- ◆ Member of the Spanish Society of Nephrology Nursing

Ms. Mata Ortega, Olga

- ◆ Hemodialysis Nurse Specialist.
- ◆ Nephrology Nurse, Virgen de Las Nieves Hospital Granada, Spain
- ◆ Regional Manager of Hemodynamic Monitoring and Product Launch. Vygon
- ◆ Coronary Sales Specialist. World Medica
- ◆ Nurse in Hospitalization, Critical and Emergency Departments, and Hemodialysis. Andalusian Health Service
- ◆ Hemodialysis Nurse Specialist. Estudios de Salud S.L
- ◆ Hemodialysis Nurse Specialist. Inmaculada Hospital
- ◆ Diploma in Nursing. University of Granada
- ◆ Master's Degree in People and Team Management and Development. Gates Group

Dr. Morales García, Ana Isabel

- ◆ Specialist in Nephrology, Virgen Doctor Las Nieves Hospital Granada, Spain
- ◆ Doctor in Nephrology Medicine University of Almeria
- ◆ Degree in Medicine and Surgery
- ◆ Member of: Spanish Society of Nephrology and Spanish Society of Dialysis and Transplantation

Ms. Nieto Poyatos, Rosa María

- ◆ Nurse Specialized in Nephrology
- ◆ Nephrology Nurse. Guadix Dialysis Center, Virgen de las Nieves University Hospital, Granada
- ◆ Co-author of the Guadix Dialysis Social Network
- ◆ Hemodialysis Unit Nurse. UGC Nephrology, Campus de la Salud Hospital Granada, Spain
- ◆ Diploma in Nursing

Ms. Muñoz Becerra, Mercedes

- ◆ Nurse Specialized in Nephrology
- ◆ Co-creator of the Dialysis24h App
- ◆ Nurse of the Nephrology Service. Virgen de las Nieves Hospital, Granada
- ◆ Nurse and care coordinator of the Hemodialysis Service. Campus de la Salud Hospital, Granada
- ◆ University Professor
- ◆ Diploma in Nursing. University of Granada
- ◆ Member of the Spanish Society of Nephrology

Dr. Palomares Bayo, Magdalena

- ◆ Specialist in Nephrology
- ◆ Head of the hemodialysis unit at Campus de la Salud Hospital Granada, Spain
- ◆ Specialist Physician at the Virgen de las Nieves University Hospital
- ◆ Doctor in Nephrology Medicine
- ◆ Degree in Medicine and Surgery

Ms. Torres Colomera, Inmaculada

- ◆ Nurse Specialized in Nephrology
- ◆ Head Nurse of the Peritoneal Dialysis Unit, Torrecárdenas University Hospital, Almeria, Spain
- ◆ Nurse of the Nephrology CMU, Hemodialysis Service
- ◆ Diploma in Nursing

04

Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of proper qualification in daily nursing practice in hemodialysis, aware of the relevance of current education to be able to act before the patient with renal pathology, committed to quality teaching through new educational technologies.



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Module 1. Update on Other Extrarenal Depuration Techniques in Hospital Settings

- 1.1. Continuous Hemodiafiltration
 - 1.1.1. Equipment Management and Care
- 1.2. Plasmapheresis
 - 1.2.1. Equipment Management and Care
- 1.3. Techniques Combined with Adsorption
 - 1.3.1. Hemoperfusion
 - 1.3.1.1. Equipment Management and Care
 - 1.3.2. Apheresis with Resin
 - 1.3.2.1. Types
 - 1.3.2.2. Equipment Management and Care





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

05

Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”

The student: the priority of all TECH programs

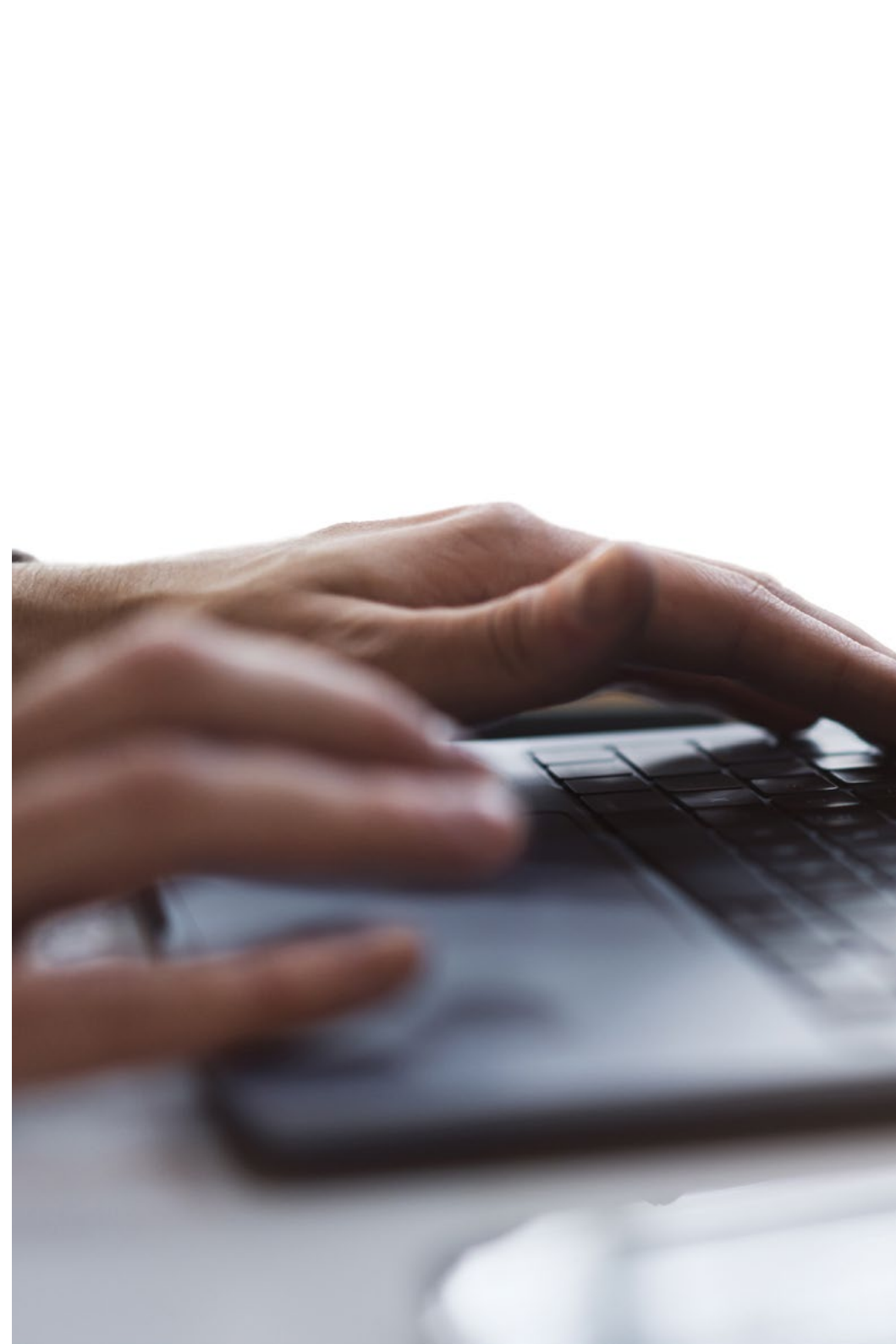
In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes
(which you might not be able to attend)”*



The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want*”

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

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.



A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
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.

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.



As such, the best educational materials, thoroughly prepared, will be available in this program:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly 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.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

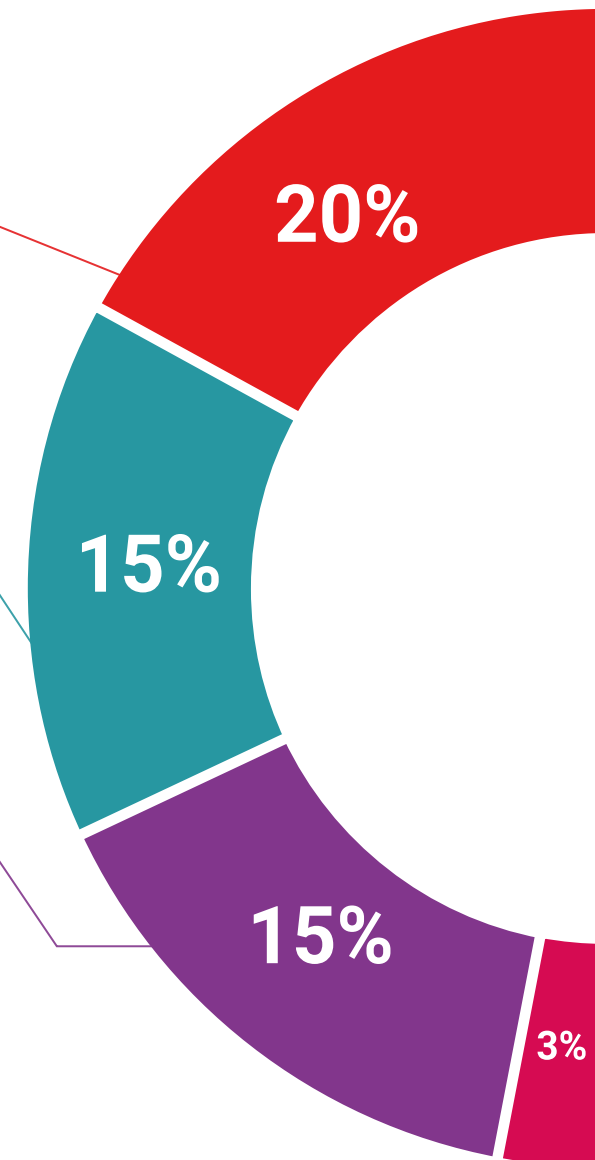
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

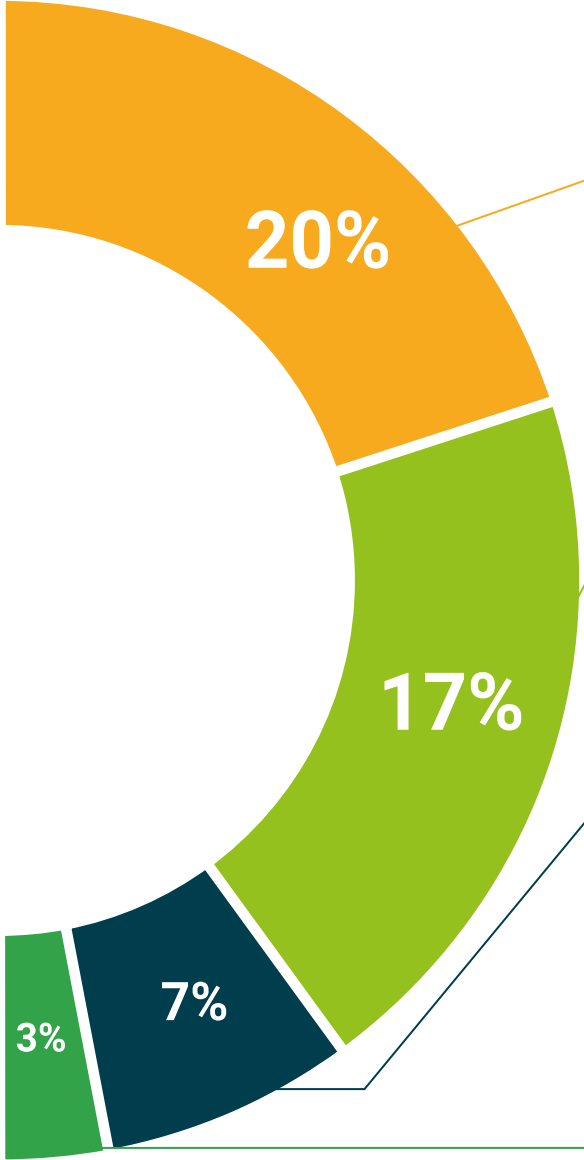
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

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





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



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 for 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 New Extrarenal Depuration Techniques in the Hospital Setting 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 private qualification will allow you to obtain a **Postgraduate Certificate in New Extrarenal Depuration Techniques in the Hospital Setting 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** private qualification 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.

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Modality: **online**

Duration: **6 weeks**

Accreditation: **4 ECTS**





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