Postgraduate Certificate

Care and Assistance Models for Complex Chronic Patients

tech global university

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Postgraduate Certificate

Care and Assistance Models for Complex Chronic Patients

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

Website: www.techtitute.com/us/medicine/postgraduate-certificate/care-assistance-models-complex-chronic-patients

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01

Introduction

According to the World Health Organization, there has been a considerable increase in the number of patients with chronic diseases in recent years. Faced with these complications, specialists are constantly seeking to implement new models of interdisciplinary care. In this way, care ranges from the medical needs of users to their psychological and even social support. The changing technological landscape is a source of opportunities to regenerate this medical care, for example, digital video call applications that can be used to provide therapies from anywhere in the world. For this reason, TECH has developed an innovative program that will address both the design and implementation of multidisciplinary care plans. And all in a flexible 100% online modality.

You will apply integral management models in your work practice that will boost sustainability thanks to this innovative TECH program"

Artificial Intelligence (AI) is playing an increasingly important role in the clinical care of people with chronic conditions. These advanced systems can analyze large amounts of medical data (such as test results or electronic health records) to identify patterns that might be overlooked. In this way, it enables experts to detect chronic diseases early and identify the most vulnerable individuals. In turn, AI-connected monitoring devices can track vital signs in real time, including heart rate, blood pressure or blood oxygen saturation.

In order for physicians to optimize intelligent automation to the maximum, TECH has implemented a revolutionary program that will put the most effective technological tools applied to the healthcare field within their reach. In this sense, the curriculum will delve into the advanced aspects to be taken into account in the approach to chronicity.

In this way, the identification of the needs of Complex Chronic Patients will be addressed. In this way, graduates will be able to establish techniques to guarantee their safety and establish treatments adapted to their personal circumstances. In addition, the didactic materials will emphasize the need to promote public strategies to make the population aware of the importance of taking care of their health.

Along these lines, TECH offers a 100% online educational environment, tailored to the needs of busy professionals seeking to advance their careers. Likewise, it employs the *Relearning* teaching system, based on the repetition of key concepts to fix knowledge and facilitate learning.

In this way, the combination of flexibility and a robust pedagogical approach makes it highly accessible. Students will also have have extensive with access to a library full of multimedia resources in different multimedia formats such as interactive summaries, explanatory videos and infographics.

This **Postgraduate Certificate in Care and Assistance Models for Complex Chronic Patients** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of case studies presented by experts in Care and Assistance Models in Complex Chronic Patients
- 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
- 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

You will delve into telemonitoring and be highly qualified to remotely follow up your patients"

Want to design the most effective interdisciplinary care plans? Achieve it with this training in just 6 weeks"

You will develop the most innovative strategies to ensure the safety of the Complex Chronic Patient.

You will achieve your objectives thanks to TECH's didactic tools, including explanatory videos and interactive summaries.

The program's teaching staff includes professionals from the field 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 students must try to solve the different professional practice situations that arise throughout the program. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

02

Objectives

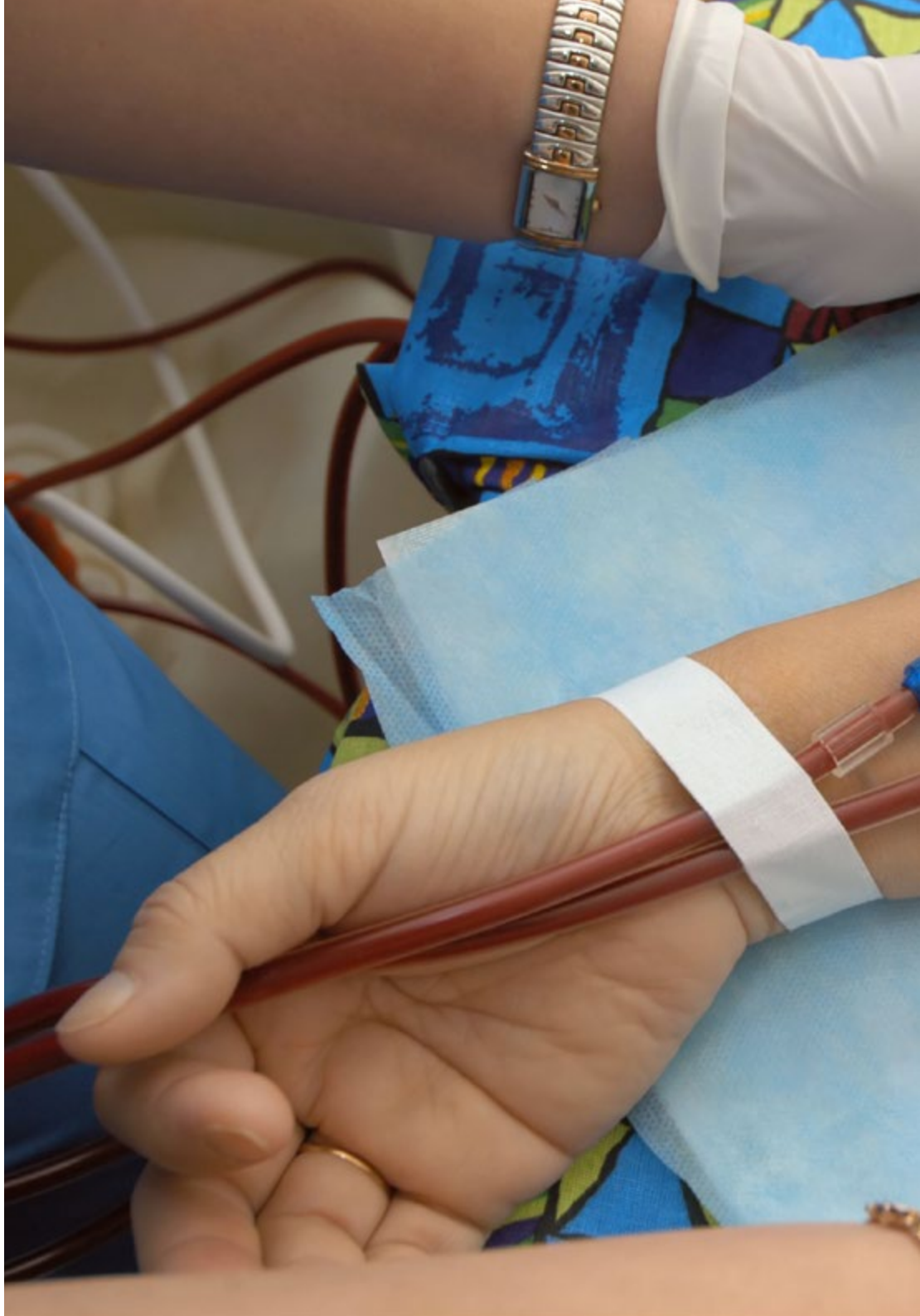
This curriculum will allow students to enrich their professional practice with the most innovative health care models aimed at Complex Chronic Patients. In this way, graduates will offer these users personalized care, based on the highest quality. Likewise, the specialists will apply safety strategies to their procedures, in order to ensure the well-being of those affected. On the other hand, they will also be highly qualified to innovate through the design and development of new approach techniques, using Information and Communication Technologies.

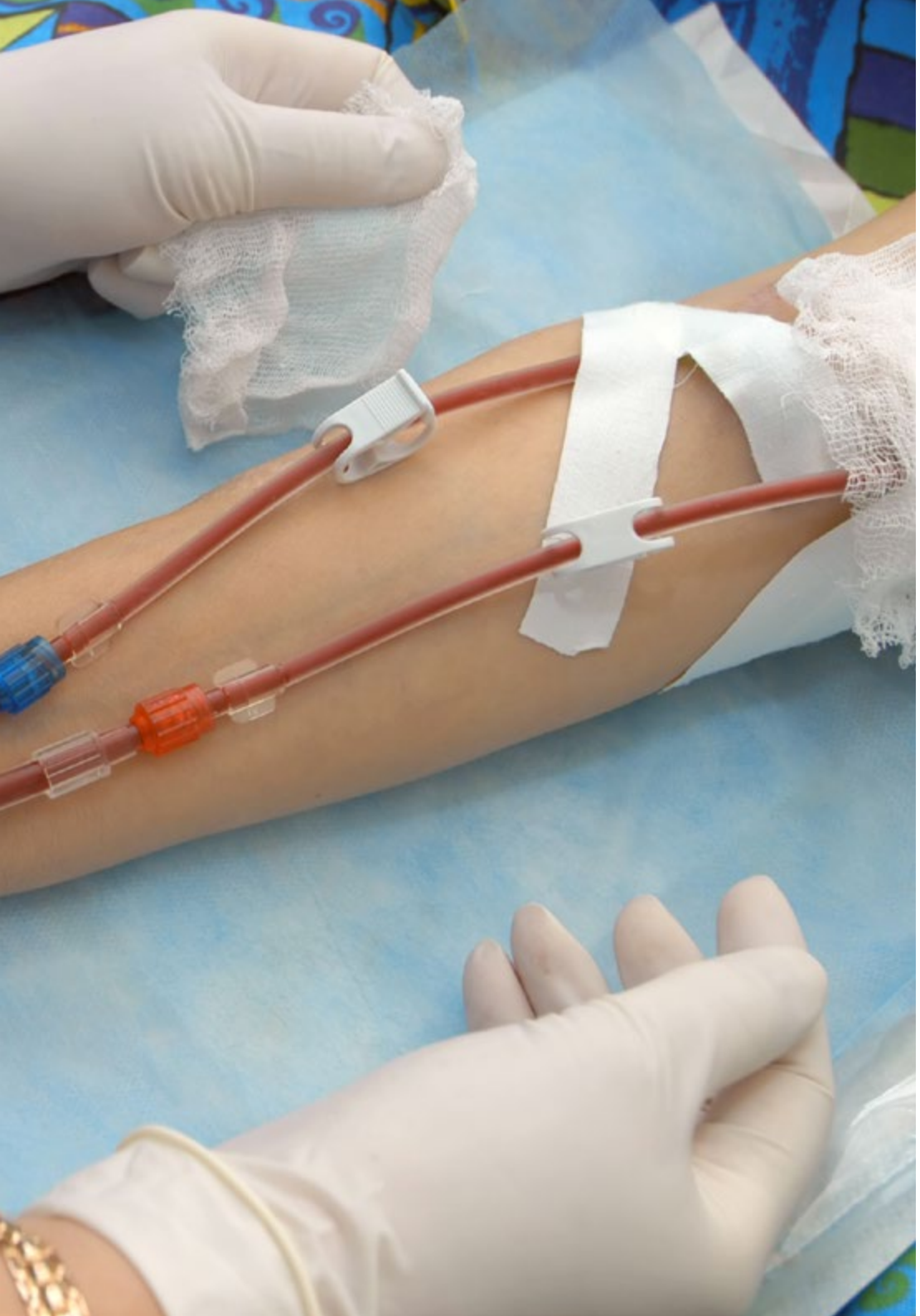
You will stand out for offering the highest quality care to patients, based on ethical values such as empathy and integrity"

General Objectives

- Determine the particular needs of the complex chronic patient when receiving health care
- Delve into different models of health care for complex chronic patients
- Assess different strategies of care for complex chronic patients
- Establish opportunities for change at different levels of care in providing care to the complex chronic patient

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





Specific Objectives

- Compile the most widely used models of complex chronic patient care
- Examine the most widely used models of care for the complex chronic patient and delve into their application at different levels of care
- Determine the most relevant levels of care for the care of the complex chronic patient
- Substantiate points for improvement applicable to our usual clinical practice with the Complex Chronic Patient

03

Course Management

In order to offer maximum educational excellence, TECH has a renowned teaching team. These specialists have an extensive professional background, having been part of renowned hospitals. In addition, they are characterized by a deep knowledge in Care and Assistance Models for Complex Chronic Patients, offering the most advanced technological resources in the health market. In this way, the graduate will have the guarantees they need to update their skills and acquire new skills to provide quality service to their patients.

The diversity of talents and knowledge of the faculty will create a dynamic and enriching learning environment. Learn with the best!"

International Guest Director

Awarded by the **American Society of Addiction Medicine** for his research in this field, Robert W. Kirchoff is considered a prestigious physician specialized in the approach to **Substance Use Disorders.** In this sense, he has developed most of his career in health institutions of international reference, such as the **Mayo Clinic Hospital** in Minnesota or the **Saint Joseph Mercy Health System** in Michigan.

Among his main achievements, his great contribution to the foundation of the **Laboratory of Informatics and Machine Learning** stands out. In this way, he has contributed significantly to the improvement of hospital resources through **Predictive Analytics.** He has also used this technological tool belonging to Artificial Intelligence to identify patients at **risk of drug dependence and relapse.** As a result, it has enabled numerous users to acquire advanced coping strategies in order to avoid drug use.

It should be noted that he balances this work with his facet as a **clinical researcher.** In this regard, he has an extensive production on subjects such as the applications of **Big Data** to the field of medicine, the **most innovative pharmacological treatments** to combat alcohol addiction, **translational informatics** applied to individuals with psychological disorders, techniques to prevent drug abuse or cutting-edge methodologies for the treatment of **drug addiction.**

On the other hand, in his firm commitment to the advancement of medical technology, he regularly participates as a speaker at **scientific congresses and symposiums** on an international scale. Thanks to this, he has facilitated the health community to have a greater knowledge of **drug-assisted therapies** for chemical dependency. In turn, he has enabled specialists to acquire the skills to get the most out of **Clinical Bioinformatics** and to optimize both their diagnostics and disease management considerably.

Dr.Kirchoff, Robert W.

- President for Research at Mayo Clinic Hospital in Minnesota, United States
- Medical Director at Foundations Detroit
- President of the American Society for Addiction Medicine
- Founder of the Laboratory of Informatics and Machine Learning at Mayo Clinic Hospital
- Attending Physician at Saint Joseph Mercy Health System in Michigan
- Master of Science in Medical Informatics from The Johns Hopkins
- University School of Medicine
- Bachelor of Arts, Biology and Chemistry from Albion College
- Internal Medicine Resident Physician at Wayne State University School of Medicine
- General Surgery Residency at Mayo Clinic Hospital
- Board Certified by the American Board of Internal Medicine
- Fellow of the American Board of Preventive Medicine

Thanks to TECH, you will be able to learn with the best professionals in the world"

Management

Dr. Romero Pareja, Rodolfo

- Specialist in Family and Community Medicine
- Medical Director at the Emergency Hospital Nurse Isabel Zendal
- Area Physician, Emergency Department, at the University Hospital of Getafe
- Collaborator of working groups in programs of Medicine; Health Management and Planning for Health Managers; and Emergency and Critical Care
- Doctor of Medicine, University of Oviedo
- Master's Degree in Emergency Medicine from the Complutense La University of Madrid
- Master in Medical Management and Clinical Management by the National School of Health, Instituto Salud Carlos III and Universidad Nacional Educación a Distancia
- Degree in Medicine and Surgery from the Complutense University of Madrid

Dr. Tejedor López, Luis

- Specialist in Geriatrics
- Specialist Physician in Geriatrics, Emergency Hospital Nurse Isabel Zendal
- Medical Case Manager. HealthMotiv S.L
- President of the MIR Association Spain
- Master's Degree in Support Treatment and Palliative Care in Oncology Patients, Isabel I University
- MBA in Health Management and Administration from the European School of Health Education
- Medical Specialist in Geriatrics via MIR
- Degree in Medicine from the University of Navarra

04

Structure and Content

This program, designed by an experienced faculty, brings together the most advanced models of care to ensure quality services to Complex Chronic Patients. The training will provide students with various strategies and structures to address the needs of these users in a comprehensive manner. In addition, the use of Information and Communication Technologies to improve the care of these patients will be studied in depth. In this way, the program will encourage students to innovate as well as to seek new opportunities to raise awareness among the general public.

You will extend your knowledge through real cases and resolution of complex situations in simulated learning environments"

Module 1. Care Models and Aspects in the Complex Chronic Patient

1.1. The Complex Chronic Patient
- 1.1.1. Comorbidity
- 1.1.2. Temporal
- 1.1.3. Fragility for
- 1.1.4. Dependency

1.2. International Strategies in Complex Chronic Patient Care
- 1.2.1. International Health Policies
- 1.2.2. Examples of Strategies at the International Level
- 1.2.3. International Programs for Addressing Chronicity

1.3. High Complexity Clinical Processes in the Chronic Patient
- 1.3.1. High Complexity Process
- 1.3.2. High Complexity Clinical Processes at the Community Level
- 1.3.3. High Complexity Clinical Processes at the Hospital Level
- 1.3.4. High Complexity Clinical Processes at the Socio-Sanitary Level

1.4. Care Management Models
- 1.4.1. Person-Centered Care
- 1.4.2. Shared Care Models
- 1.4.3. Information Communication Technologies
- 1.4.4. Integrated Management and Sustainability

1.5. Complex Chronic Patient Safety
- 1.5.1. Complex Chronic Patient Safety. Challenges
- 1.5.2. Patient Safety Strategies at the International Level
- 1.5.3. Implementation of Patient Safety Strategies. Examples

1.6. Interdisciplinary Coordination according to the Needs of the Complex Chronic Patient
- 1.6.1. Needs Identification for Complex Chronic Patients
- 1.6.2. Establishment of an Interdisciplinary Care Plan
- 1.6.3. Management of an Interdisciplinary Team
- 1.6.4. Clinical Leadership

1.7. Self-Care and Health Education in Chronicity
- 1.7.1. Advanced Aspects of Self-Care
- 1.7.2. Role of Self-Care in Chronicity
- 1.7.3. Public Strategies for Health Education
- 1.7.4. Public Strategies for the Promotion of Self-care

1.8. Ethical and Social Aspects
- 1.8.1. Socioeconomic Impact of Comorbidity and Chronicity
- 1.8.2. Physician-Patient Relationship
- 1.8.3. Equity and Access to Health Care
- 1.8.4. Discrimination

1.9. Information and Communication Technologies in Complex Chronic Patient Care
- 1.9.1. Telemonitoring and Remote Follow-up of the Complex Chronic Patient
- 1.9.2. Integration of Information Systems
- 1.9.3. Digital Education and Self-Management
- 1.9.4. Ethics and Privacy in the Digital Age

1.10. Artificial Intelligence in Complex Chronic Patient Care
- 1.10.1. Artificial Intelligence in Complex Chronic Patient Care
- 1.10.2. International Regulation on Artificial Intelligence Applied to Health Care
- 1.10.3. Artificial Intelligence Tools for Professionals
- 1.10.4. Artificial Intelligence Tools for Patients

This is a flexible university qualification that is compatible with the most demanding daily responsibilities"

05

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

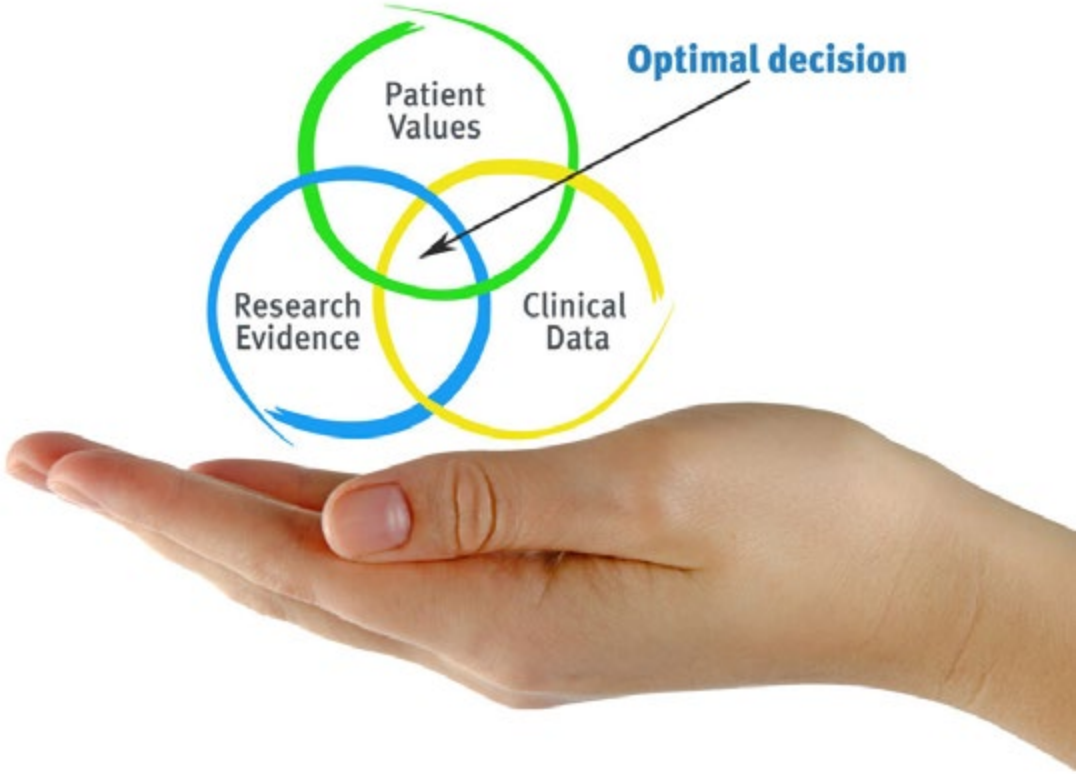
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

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 we use the Case Method

What should a professional do in a given situation? 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. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning 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, trying to recreate the real conditions in the physician's professional 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:

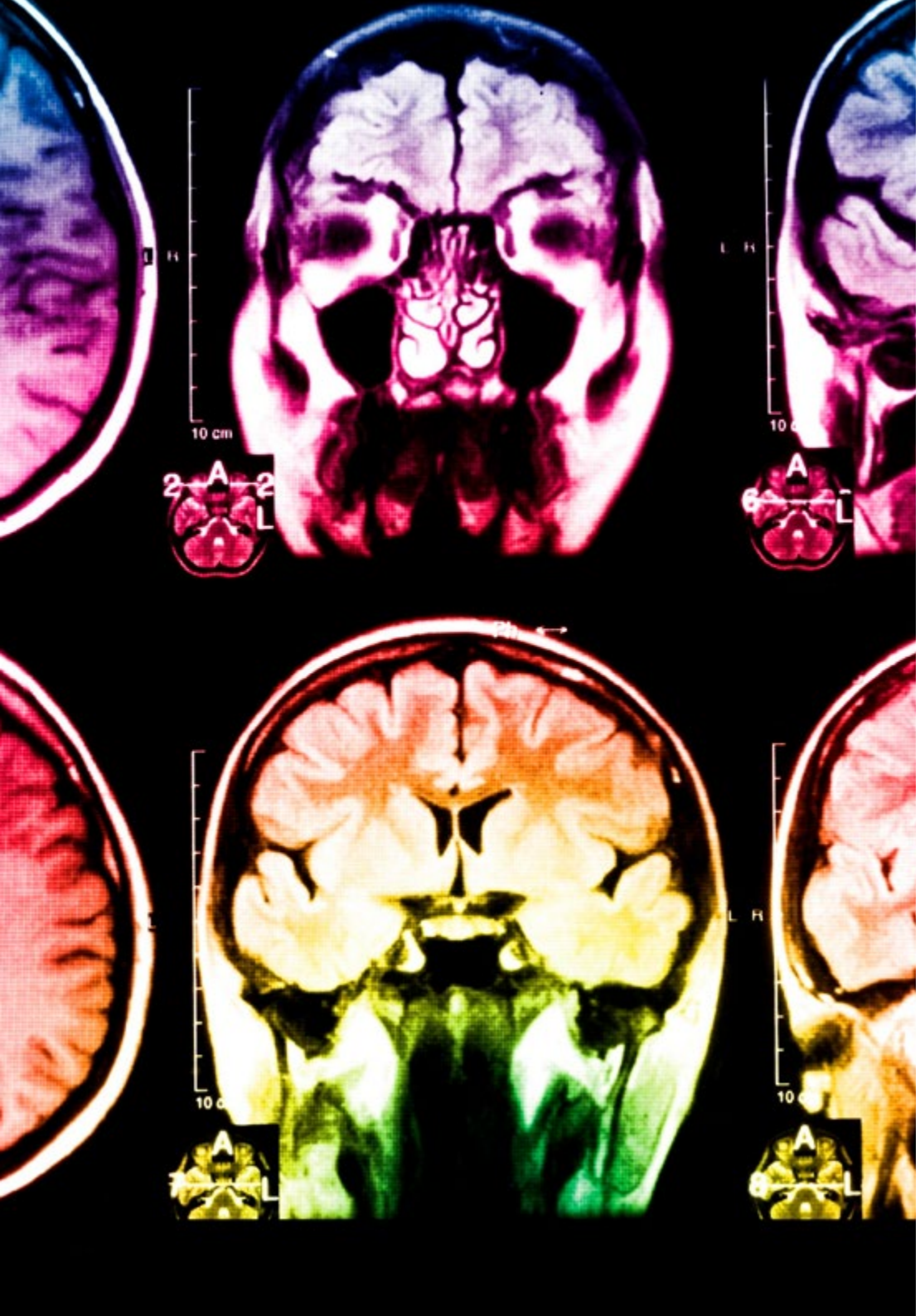
1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better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

Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This 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, a real revolution with respect to the mere study and analysis of cases.

Professionals will learn through real cases and by resolving 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, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical 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 highly 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.

Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and 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.

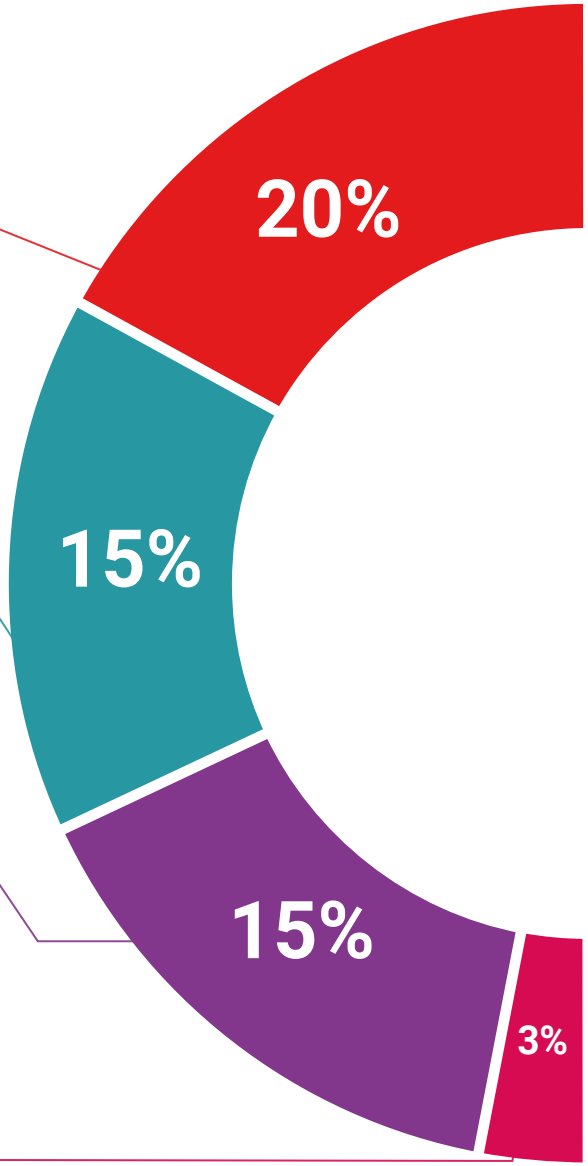
Interactive Summaries

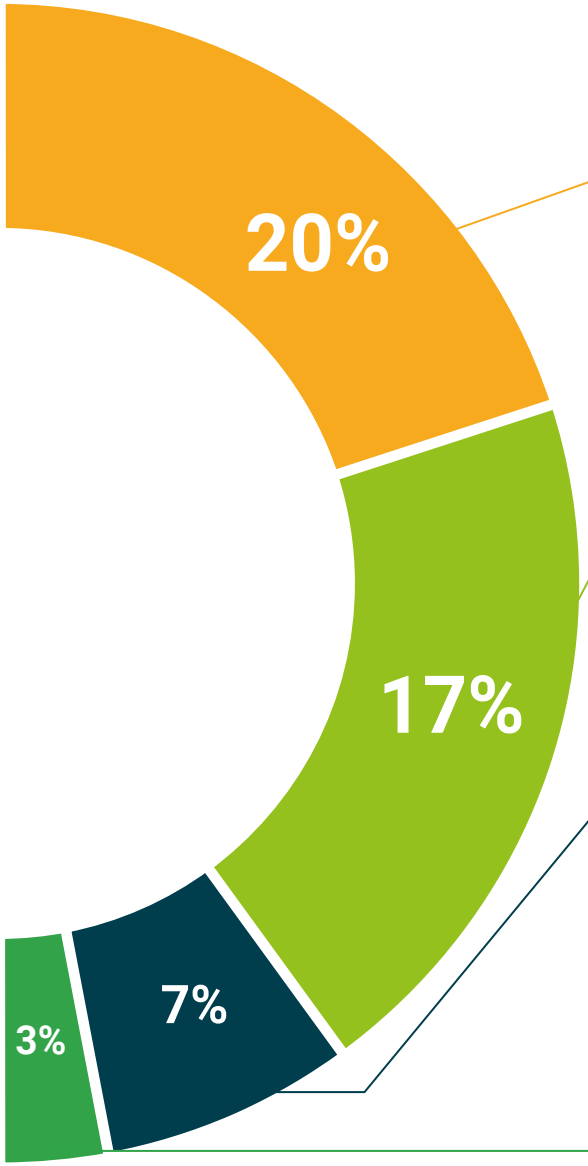
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive 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

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as 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 Care and Assistance Models for Complex Chronic Patients guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.

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 Care and Assistance Models for Complex Chronic Patients** 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.

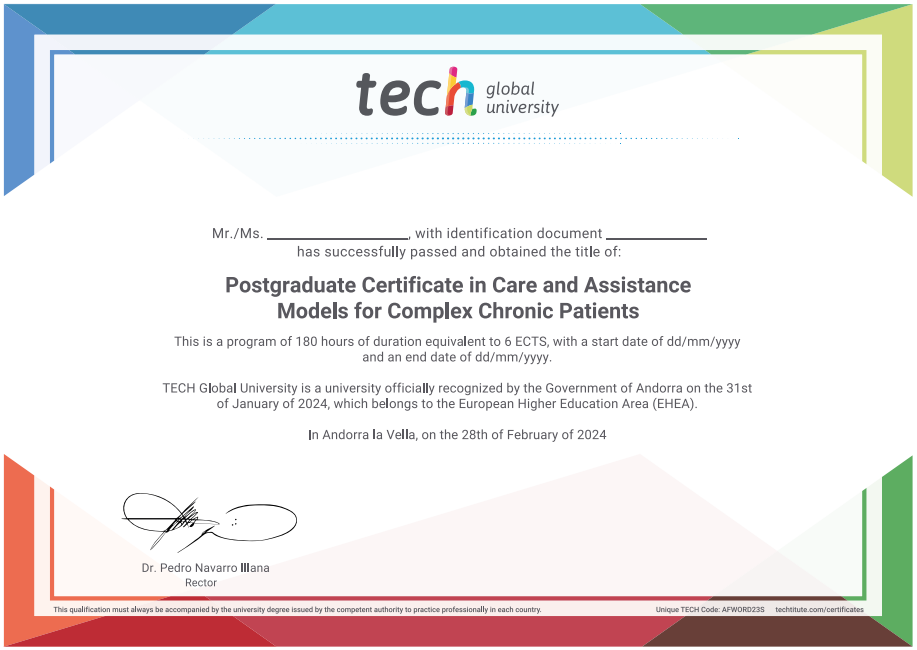
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Care and Assistance Models for Complex Chronic Patients**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Care and Assistance Models for Complex Chronic Patients

This is a program of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

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

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Postgraduate Certificate

Care and Assistance Models for Complex Chronic Patients

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- Credits: **6 ECTS**
- Schedule: **at your own pace**
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Postgraduate Certificate

Care and Assistance Models for Complex Chronic Patients

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