Postgraduate Diploma

Complex Chronic Patient Care

tech global university

Postgraduate Diploma
Complex Chronic
Patient Care

- » Modality: **online**
- » Duration: **6 months**
- » Certificate: **TECH Global University**
- » Credits: **18 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: **www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-complex-chronic-patient-care**

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01
Introduction

In the current healthcare scenario, the care of the Complex Chronic Patient is presented as a fundamental challenge for healthcare professionals. The increasing prevalence of these diseases demands a deeper understanding of their associated clinical complexities. In response to this need, TECH is launching this university program, which seeks to equip professionals with the precise skills to effectively address challenging situations. This comprehensive approach not only benefits clinicians, but also directly impacts the quality of life of Complex Chronic Patients, offering more effective solutions tailored to their particular needs. The 100% online methodology, as well as the use of the *Relearning* method, will guarantee a flexible and enriching learning experience.

> "*You will delve into the medical problems common to most Complex Chronic Patients at the highest rated university in the world by its students, according to the Trustpilot platform (4.9/5)*"

In today's healthcare landscape, the management of the complex chronic patient presents an increasingly pressing challenge. The increasing prevalence of chronic diseases has generated a critical demand for professionals capable of adapting to the complexity and clinical diversity inherent in this group of patients. In response to this need, the present curriculum stands as a fundamental solution. By addressing the clinical adaptability argument, this academic pathway will focus on equipping students with specific skills to establish diagnostic strategies and therapeutic protocols, considering crucial factors such as polypharmacy and frailty.

Throughout the development of the syllabus, the Postgraduate Diploma will offer a deep immersion in the models of care for the Complex Chronic Patient, examining their application at various levels of care. In addition, the patient will be analyzed within a bio-psycho-social model, oriented towards a more timely and personalized action. The compilation of tools, such as the Integrative Global Vision (IGV), as well as the understanding of key aspects of oncological and hematological pathologies, will ensure a complete and relevant knowledge for clinical practice.

Regarding the learning system, this program is delivered entirely online, providing professionals with the flexibility to adapt to their schedules. In addition, the *Relearning* methodology, based on the repetition of key concepts to fix knowledge, facilitates effective and long-lasting learning. This combination of accessibility and innovative pedagogical approach will ensure that participants acquire practical skills to excel in the management of the Complex Chronic Patient in dynamic clinical settings.

This **Postgraduate Diploma in Complex Chronic Patient Care** 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 Complex Chronic Patient Care
- The graphic, schematic and practical contents with which it is conceived, collect scientific and practical information on those disciplines that are essential for professional practice
- Practical exercises where self-assessment can be used 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 design individualized plans for preventive and therapeutic updating, in order to achieve the highest degree of independence for your patients"

" *You will delve into the Comprehensive Geriatric Assessment (CGA) in the Complex Chronic Patient, through the most innovative multimedia content"*

Take advantage of the opportunity and take the step to get up to date on the latest trends in preventive/therapeutic strategies.

Forget about memorizing! With the Relearning system you will integrate the concepts in a natural and progressive way.

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 the professional must try to solve the different professional practice situations that arise during the academic year For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

02
Objectives

The Postgraduate Diploma in Complex Chronic Patient Care has as its main objective to establish diagnostic strategies and therapeutic protocols that are adapted to the complexity and clinical diversity of the chronic patient. This approach is based on the meticulous consideration of critical factors, such as polypharmacy and fragility, intrinsic characteristics of these patients. Throughout the praogram, graduates will develop skills to accurately address diagnostic challenges and design effective therapeutic interventions, ensuring comprehensive and personalized care that responds to the specific needs of Complex Chronic Patients in diverse clinical settings.

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You will achieve your goals thanks to our tools, and you will be accompanied along the way by leading professionals"

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

• Provide a rationale for the Comprehensive Geriatric Assessment (CGA) as a set of tools that allow a diagnostic approach to the complex chronic patient

• Analyze the main Geriatric Syndromes and their clinical and social importance

• Determine the inherent characteristics of the complex chronic patient requiring an "alternative" approach to the "classical" medical approach

• Establish clear objectives and design individualized plans for preventive and therapeutic updating

• Examine the medical problems common to most chronic and complex patients

• Present complementary therapies to the pharmacological approach

• Promote the patient-centered approach

• Delve into the legal basis and bioethical aspects of the care of patients with chronic illnesses

Specific Objectives

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

- 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

Module 2. Complex Chronic Elderly Patient Comprehensive Geriatric Assessment (CGA) and Geriatric Syndromes

- Compile the main tools that make up the CGA and their correct use

- Analyze the complex chronic patient within a bio-psycho-social model that guides us towards a more timely action

- Establish strategies for preventive/therapeutic action and ensure appropriate use of resources

Module 3. Transversal Skills in the Complex Chronic Patient

- Compile the key aspects of oncological and hematological pathologies, as well as the approach to pain

- Identify physical injuries associated with dependency

- Optimize the pharmacological management of complex chronic patients

- Present the main legal and bioethical aspects necessary to achieve quality and patient-centered care

03
Course Management

The faculty for this innovative curriculum has been meticulously crafted by TECH, selecting leading specialists with extensive and recognized professional backgrounds in the care of the Complex Chronic Patient. Each member brings a wealth of practical experience and expertise, ensuring students a deep dive into the complexities of caring for this type of patient. This team of experts is committed to academic excellence and practical application of concepts, providing graduates with an enriching perspective, backed by real-world experience in the field.

Get updated on the different movement disorders in the Complex Chronic Patient by the best experts in the field. Launch your professional career with TECH!"

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 nd 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

Professors

Dr. Pérez Sanz, María Teresa

- Specialist in Internal Medicine
- Specialist in Internal Medicine at the Hospital Universitario del Sureste
- Collaborator in practical teaching in the Department of Medicine of the Faculty of Medicine of the Complutense University of Madrid
- Participation in the evaluation of the ECOE (Objective Structured Clinical Examination) of the Complutense University of Madrid, at the Hospital 12 de Octubre
- University Master in Infectious Diseases and International Health from the Miguel Hernández University
- Degree in Medicine from the University of Zaragoza

Dr. Quiñónez Barreiro, Fabio Augusto

- Specialist in Geriatrics and Gerontology
- Specialist Geriatrics Physician at the Virgen del Valle Hospital
- On-call Geriatrician at the Emergency Hospital Nurse Isabel Zendal
- Geriatrician at Quirón Salud, Tres Culturas Hospital
- On-call Physician in the Emergency Department at Hospital Virgen de la Salud
- Master's Degree in Psychogeriatrics from the Autonomous University of Barcelona
- Degree in Medicine from the Latin American School of Medicine (ELAM)

04
Structure and Content

This program offers a comprehensive approach to integrated clinical care, considering the complexities of chronic patients and their comorbidities. Throughout the curriculum, graduates will explore advanced strategies to address the medical, nutritional and psychosocial needs of this population, providing them with the essential skills to deliver holistic and personalized care. This program is distinguished by its comprehensive approach geared toward clinical application, preparing healthcare professionals to successfully meet the challenges of caring for the Complex Chronic Patient in diverse clinical settings.

"6 months of stimulating learning that will take you to the next level in the treatment of Obstructive Sleep Apnea Syndrome in the Complex Chronic Patient"

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

Module 2. Complex Chronic Elderly Patient Comprehensive Geriatric Assessment (CGA) and Geriatric Syndromes

2.3. Cognitive/affective Assessment in the Elderly as a Complex Chronic Patient

2.3.1. Cognitive/affective Assessment in the Complex Chronic Elderly Patient

2.3.2. Cognitive Changes

2.3.3. Cognitive/affective Assessment Scales: Use and Interpretation

2.4. Nutritional Assessment in the Complex Chronic Elderly Patient

2.4.1. Nutritional Assessment in the Complex Chronic Elderly Patient

2.4.2. Eating Behavior Patterns

2.4.3. Measurement Tools: Physical and Biochemical Parameters of Nutrition

2.4.4. Importance of a Correct Nutritional Assessment

2.4.5. Nutritional Intervention according to Individual Needs in the Malnourished Complex Chronic Elderly Patient

2.5. Chronic Diseases and Comorbidities. Evaluation and Management

2.5.1. Impact of Chronic Diseases in Complex Elderly Patients

2.5.2. Addressing Comorbidities

2.5.3. Evaluation and Integrated Management

2.6. Polypharmacy and Treatment Optimization

2.6.1. Polypharmacy: Definition and Implications

2.6.2. Strategies to Optimize Medication

2.6.3. Strategies to Minimize Adverse Effects

2.7. Prevention and Management of Falls in the Complex Chronic Elderly Patient

2.7.1. Identification of Risk Factors

2.7.2. Prevention strategies

2.7.3. Evaluation and Orientation towards Post-fall Rehabilitative Therapy

2.8. Management of Geriatric Syndromes Specific for Complex Chronic Patients

2.8.1. Geriatric Syndromes in Clinical Practice

2.8.2. Tools for Assessment

2.8.3. Management and Prevention Strategies

2.9. Social Assessment in the Complex Chronic Elderly Patient

2.9.1. Social Assessment in the Chronic Elderly Patient

2.9.2. Role of the Family in Caregiving and Identification of Support Networks

2.9.3. Multidisciplinary Coordination for the Development of a Comprehensive Care Plan

2.9.4. Discharge Planning and Continuity of Care in the Chronic Elderly Patient

2.10. Ethics in the Care of the Complex Chronic Elderly Patient

2.10.1. Ethical Principles in the Care of the Complex Chronic Elderly Patient

2.10.2. Ethical Challenges in Care Decisions

2.10.3. Importance of Autonomy and Respect in Geriatric Care

Module 3. Transversal Skills in the Complex Chronic Patient

3.1. Oncologic and Hematologic Pathology in the Complex Chronic Patient

3.1.1. Management of Non-hematological Oncological Pathologies in the Complex Chronic Patient

3.1.2. Management of Oncohematologic Pathologies in the Complex Chronic Patient

3.1.3. Management of Other Hematologic Pathologies in this Type of Patient

3.1.4. Care of Patients with Advanced Cancer

3.2. Injuries Associated with Dependency in the Complex Chronic Patient

3.2.1. Management of Muscular Atrophy in Complex Chronic Patients

3.2.2. Management of Skin Lesions in the Complex Chronic Patient

3.2.3. Decreased Vital Capacity. Respiratory Disorders in this Type of Patient

3.3. Management of Pain in the Complex Chronic Patient

3.3.1. Classification of Analgesics

3.3.2. Breakthrough Pain Management

3.3.3. Opioid Rotation

3.3.4. Interventional Measures

3.4. Polypharmacy. Adherence to Treatment

3.4.1. Polypharmacy. Selection of the Main Medications

3.4.2. Adherence to Treatment. Strategies for Improvement

3.4.3. STOPP/START Criteria

3.5. Complementary Therapies, Nutrition and Psychotherapy in the Complex Chronic Patient

3.5.1. Complementary Therapies Scientific Evidence

3.5.2. Nutrition in the Complex Chronic Patient

3.5.3. Assessment of the Nutritional Status of the Complex Chronic Patient

3.5.4. Nutritional Requirements

3.5.5. Management of Diseases and Specific Situations in the Complex Chronic Patient

3.5.6. Mental Illness in the Chronic Patient. Cognitive-Behavioral

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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)
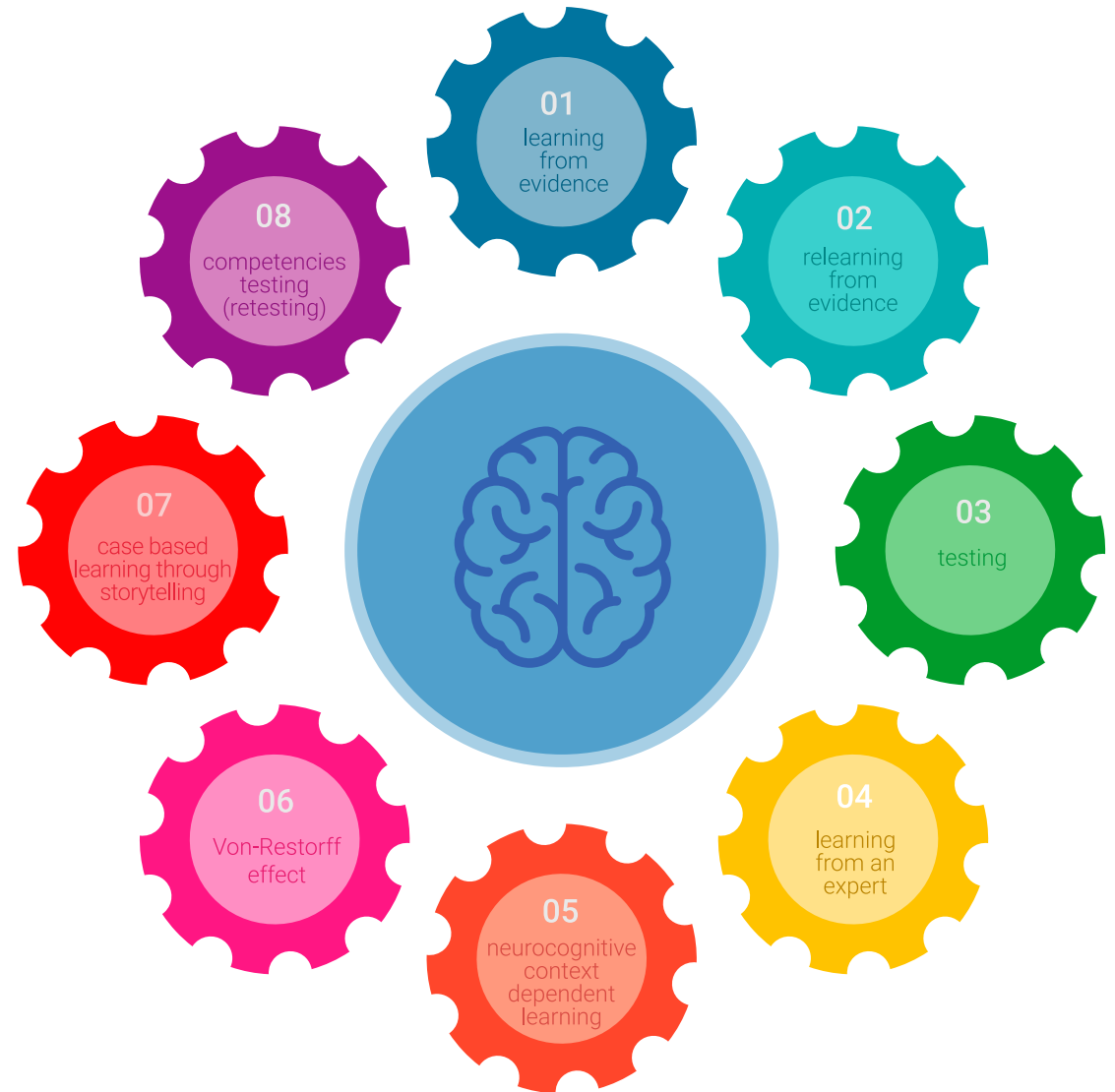
At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

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.

20%

15%

15%

3%

20%

17%

7%

3%
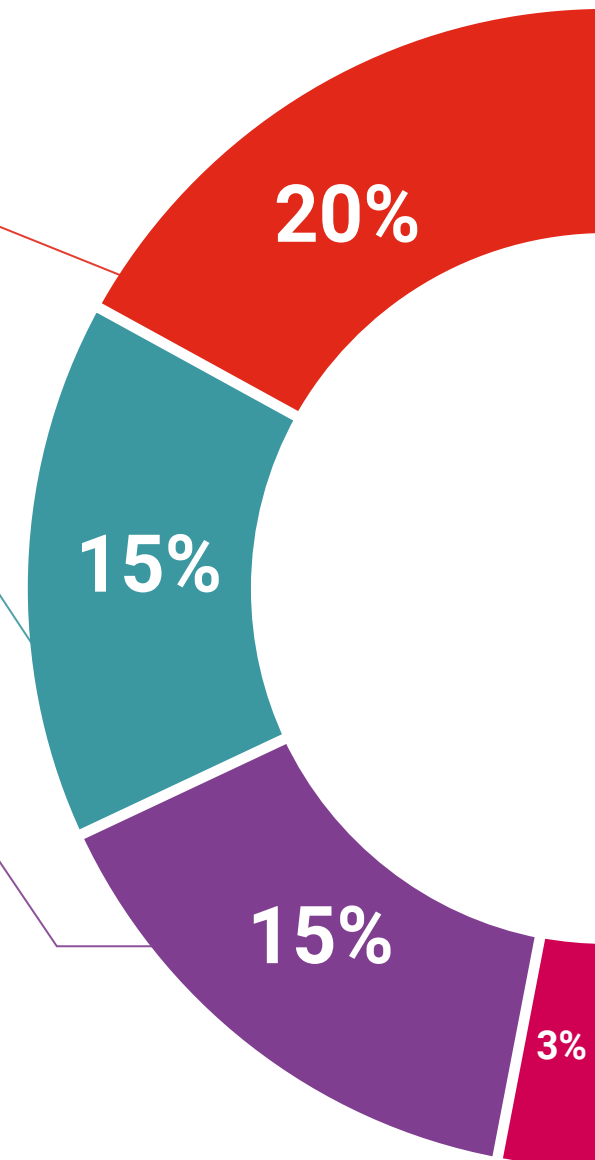
Expert-Led Case Studies and Case Analysis

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

This Postgraduate Diploma in Complex Chronic Patient Care guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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 Diploma in Complex Chronic Patient Care** 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.
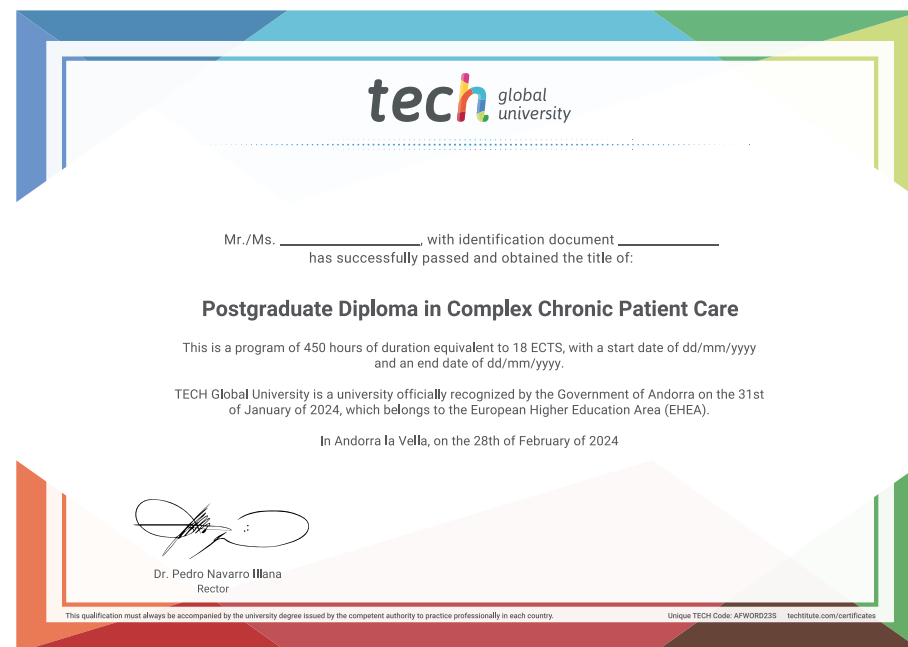
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Complex Chronic Patient Care**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**

tech global university

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

Postgraduate Diploma in Complex Chronic Patient Care

This is a program of 450 hours of duration equivalent to 18 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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