

Postgraduate Diploma

Cardio-Respiratory, Neurological
and Infectious Pathology in
the Complex Chronic Patient



Postgraduate Diploma Cardio-Respiratory, Neurological and Infectious Pathology in the Complex Chronic Patient

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

Website: www.techitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-cardio-respiratory-neurological-infectious-pathology-complex-chronic-patient

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01

Introduction

In the current health care landscape, marked by the increasing prevalence of complex chronic patients, there is an urgent need for advanced specialization. Health professionals face specific challenges in the management of Cardio-Respiratory, Neurological and Infectious Pathologies in this group of patients, requiring a specialized and updated approach. In response to this demand, TECH presents this program as the solution, equipping graduates with the crucial skills and knowledge to effectively address these complex challenges. This advanced approach not only addresses the growing clinical complexity, but also responds to the critical need for highly specialized experts in the care of Complex Chronic Patients. All based on a 100% online Methodology.



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Thanks to this exclusive TECH program, you will foster the development of a global vision, facing any clinical complexity in a holistic manner"

In the current healthcare scenario, the management of the Complex Chronic Patient presents itself as a crucial challenge. The increase of chronic diseases demands a comprehensive approach to understand the complexities at each stage of the disease. It is in this context that this program specialized in the treatment of this type of patients arises. This curriculum responds to the demand for professionals specialized to develop a holistic view of chronic disease, allowing a more effective and personalized treatment in a constantly evolving clinical environment.

The syllabus of this Postgraduate Diploma will specifically focus on the development of a global vision and a comprehensive approach to each phase of the natural history of chronic disease. In this way, it will highlight the importance of developing prevention plans, early diagnosis and individualized treatment, as well as managing the coexistence of chronic pathologies and infectious pathologies.

Likewise, the analysis and intervention in Cardiorespiratory Diseases will focus on achieving a more effective preventive control and improved management. In addition, the identification of the most prevalent pathologies of the nervous system and mental health will be explored, offering a comprehensive and specialized approach to the management of these complex conditions.

This academic itinerary is distinguished by the fact that it is a 100% online program. This modality will provide physicians with the necessary flexibility to adapt to their professional schedules. In addition, the *Relearning* methodology, based on the repetition of key concepts will be implemented to fix knowledge and facilitate effective and long-lasting learning. This combination of accessibility and innovative pedagogical approach will ensure that professionals acquire practical and applicable skills, preparing them to meet the specific challenges of caring for the Complex Chronic Patient in dynamic clinical settings.

This **Postgraduate Diploma in Cardio-Respiratory, Neurological and Infectious Pathology in the Complex Chronic Patient** 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 Cardio-Respiratory, Neurological and Infectious Pathology in Complex Chronic Patients
- ♦ The graphic, schematic, and practical content 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 develop skills for a comprehensive approach to all phases of chronic disease, from prevention to advanced management. With the TECH seal of quality!"



Enter today in a first class educational experience and update your knowledge in the most prevalent Infectious Pathologies"

The program's teaching staff includes professionals from the sector who contribute their work experience to this 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.

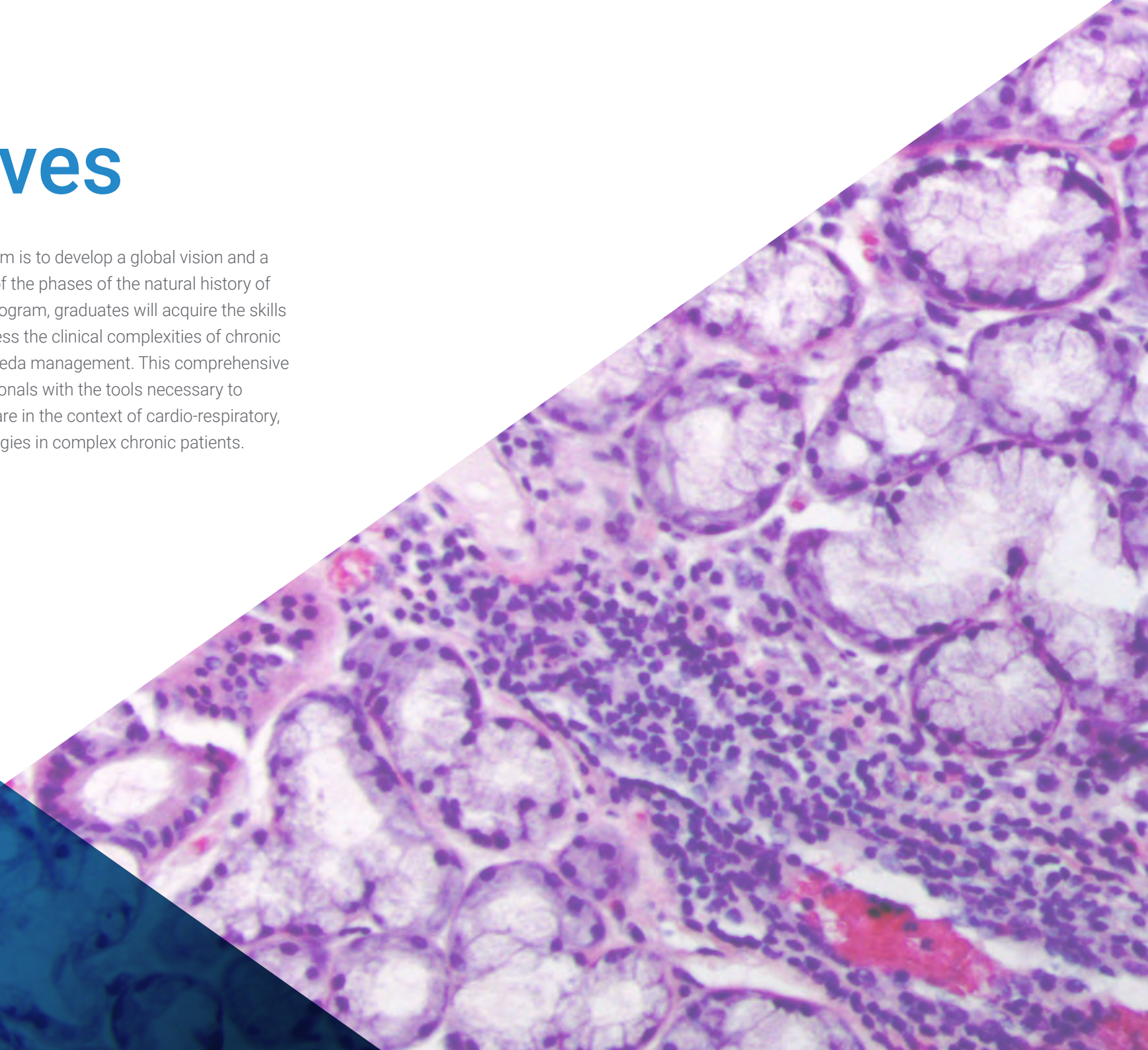
This is a flexible university qualification that is compatible with the most demanding daily responsibilities.

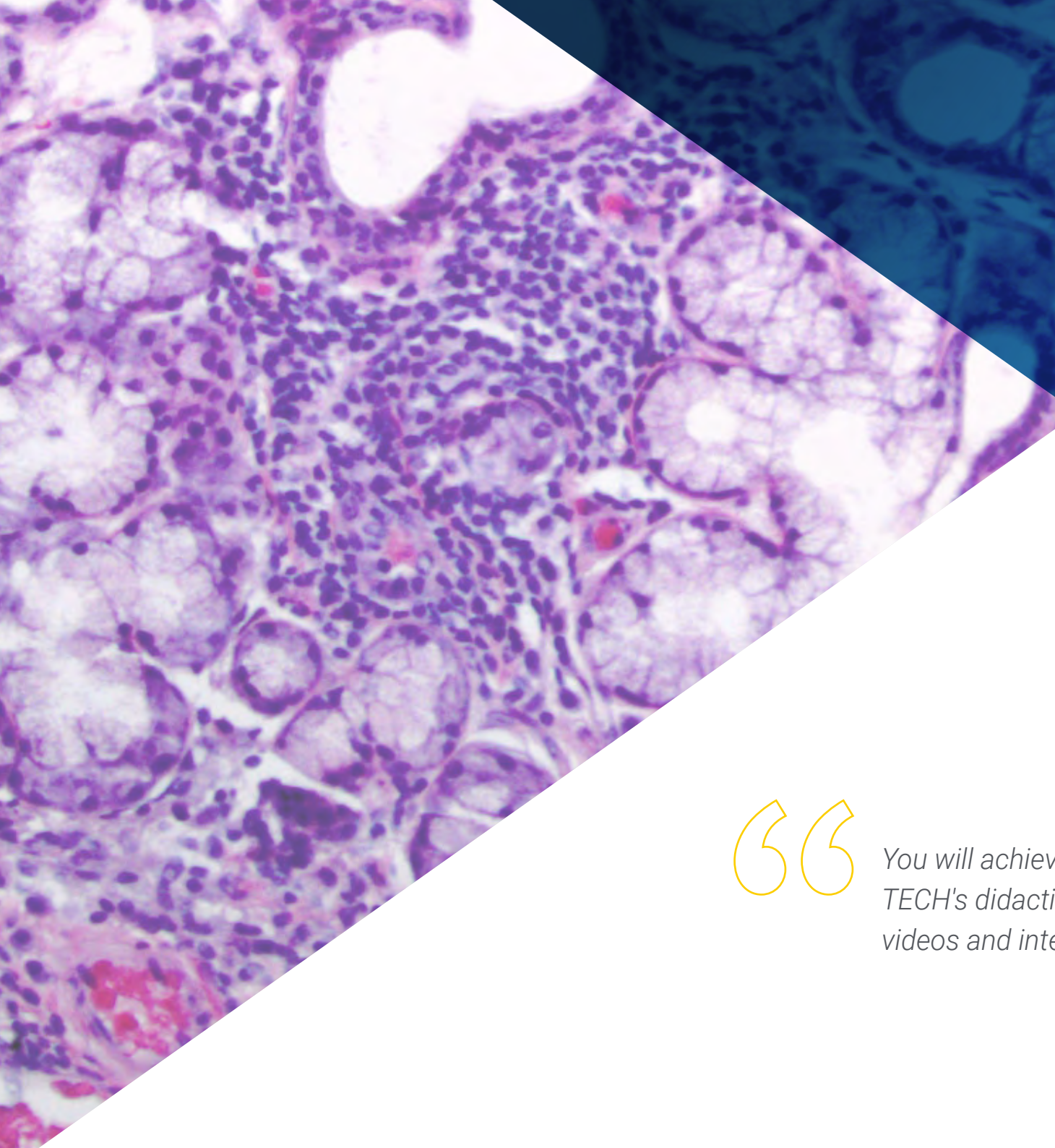
In only 12 months you will become a reference in the treatment of neurological conditions in complex chronic patients.



02 Objectives

The main objective of this curriculum is to develop a global vision and a comprehensive approach to each of the phases of the natural history of chronic disease. Throughout the program, graduates will acquire the skills necessary to understand and address the clinical complexities of chronic disease, from prevention to advanced management. This comprehensive approach will equip health professionals with the tools necessary to provide specialized and effective care in the context of cardio-respiratory, neurological and infectious pathologies in complex chronic patients.





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



General Objectives

- ♦ Develop a global vision and a comprehensive approach in each of the phases of the natural history of chronic disease
- ♦ Analyze and intervene in the treatment of these cardiorespiratory diseases, achieving better preventive control and management
- ♦ Design strategies to deal with chronicity that put an end to the traditional division between health and social care; the separation between the basic level or primary care and the hospital setting in this type of highly prevalent diseases
- ♦ Support the idea that the central element of chronic disease management models is an active patient
- ♦ Determine the most prevalent chronic pathologies of the nervous system and of Mental Health
- ♦ Explore the complexity of these pathologies in chronic patients, with the aim of developing comprehensive care strategies that respond to their needs
- ♦ Investigate, analyze and propose comprehensive strategies for understanding and improving the management of infectious diseases in patients with complex chronic pathology
- ♦ Develop a plan for prevention, early diagnosis, individualized treatment and management and coexistence of chronic pathologies and infectious pathology





Specific Objectives

Module 1. Cardio-Respiratory Pathologies in the Complex Chronic Patient

- ♦ Establish areas for improvement in the care of chronic cardiorespiratory diseases
- ♦ Propose greater integration between primary and hospital care, nursing, patients and physicians
- ♦ Support the creation or consolidation of hospital teams to support surgical services in the care of patients with chronic disease and especially for pluripathological or elderly patients

Module 2. Neurological and Cognitive Pathologies and Mental Illness in the Complex Chronic Patient

- ♦ Examine the various clinical manifestations of neurological and chronic mental illnesses and assess their impact on the functionality and quality of life of patients
- ♦ Analyze the influence of psychosocial and emotional factors on the experience of the chronic patient with neurological and mental pathology, including the impact on mental health, emotional well-being, and social relationships
- ♦ Review the medical and therapeutic interventions available for the management of chronic neurological and mental illness, focusing on multidisciplinary approaches that address both medical and psychosocial issues

Module 3. Infectious Pathology in the Complex Chronic Patient

- ♦ Analyze the interaction between chronic diseases and infection. Delve into how chronic diseases affect susceptibility, clinical presentation and course of infectious diseases Identify common patterns and risk factors
- ♦ Evaluate strategies for infectious disease prevention in the complex chronic patient Review and evaluate current strategies for infectious disease prevention in the complex chronic patient. Recommendations to optimize immunization, prophylaxis and other preventive measures
- ♦ Develop diagnostic protocols that allow for efficient detection of infectious diseases in complex chronic patients



This unique program includes clinical cases to bring the development of the program as close as possible to the reality of medical care"

03

Course Management

The faculty of the Postgraduate Diploma in Cardio-Respiratory, Neurological and Infectious Pathology in the Complex Chronic Patient is distinguished by the careful selection of TECH, which has brought together the best specialists in the field. Each faculty member brings a wealth of practical experience and expertise, ensuring that graduates receive quality knowledge, backed by excellence and constant updating in the treatment of these conditions.





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You will follow the guidance of leading professionals to address the latest advances in the field of Cardio-Respiratory Pathologies of the Complex Chronic Patient”

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 Zandal
- ◆ 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. Anguita Sánchez, Noemí

- ◆ Specialist in Geriatrics
- ◆ Medical Specialist in the Geriatric Area at the Hospital Emergencias Nurse Isabel Zandal
- ◆ Specialist in Geriatrics at the Infanta Sofia University Hospital
- ◆ Expert in Methodology of Noninvasive Mechanical Ventilation by the International School of Noninvasive Mechanical Ventilation
- ◆ Expert in Emergency Management of Infectious Pathology, Francisco de Vitoria University
- ◆ Degree in Medicine from the Universidad Autónoma de Madrid
- ◆ Professor Barea Award by the Signo Foundation (2021)

Dr. Ortiz Barraza, Evelyn Iveth

- ◆ Specialist in Internal Medicine
- ◆ Internal Medicine Specialist in the Functional Rehabilitation Unit, at the Emergency Hospital Nurse Isabel Zandal
- ◆ Specialist in Internal Medicine in the Cardiovascular Risk and Cardiometabolic Medicine Unit, Hospital Ramón y Cajal
- ◆ Master's Degree in HIV Infection from the Universidad Rey Juan Carlos
- ◆ Degree in General Medicine from the University of Caldas
- ◆ Member of: Spanish Society of Infectious Diseases and Clinical Microbiology Vascular Risk Group, Clinical Ultrasound and Infectious Diseases, the Spanish Society of Internal Medicine (SEMI)

04

Structure and Content

This university program offers a specialized approach for health professionals who seek to delve into the treatment of specific pathologies. Throughout the curriculum, graduates will explore in depth the management of Cardio-Respiratory Pathologies, addressing key medical challenges. In addition, they will delve into the treatment of Neurological, Cognitive and Mental Illness Pathologies, as well as the management of Infectious Pathology in the Complex Chronic Patient. This program will provide essential knowledge and practical skills to successfully deal with the clinical complexities developed by this type of ailment.



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You will update your knowledge in the treatment and home management of the Complex Chronic Patient, through innovative multimedia content"

Module 1. Cardio-Respiratory Pathologies in the Complex Chronic Patient

- 1.1. Heart Failure in the Complex Chronic Patient
 - 1.1.1. Heart Failure Units
 - 1.1.2. Home Treatment and Management of the Complex Chronic Patient. Expert Patient Program
 - 1.1.3. Telemonitoring or Structured Follow-up of Heart Failure with Telephone Calls to this Type of Patient
- 1.2. Ischemic Heart Disease in the Complex Chronic Patient
 - 1.2.1. Management of Coronary Atherosclerosis in Complex Chronic Patients
 - 1.2.2. Cardiovascular Risk Factors in the Complex Chronic Patient
 - 1.2.3. Treatment and Follow-up of the Chronic Patient. Discharge Planning
- 1.3. Valvulopathies in the Complex Chronic Patient
 - 1.3.1. Management of the Chronic Patient with Valvulopathies
 - 1.3.2. Complications of Valvular Prostheses in the Complex Chronic Patient
 - 1.3.3. Complex Chronic Patient Follow-Up
- 1.4. Arterial Hypertension in the Complex Chronic Patient
 - 1.4.1. Management of Arterial Hypertension in Complex Chronic Patients
 - 1.4.2. Organic Repercussions of Hypertension in the Complex Chronic Patient
 - 1.4.3. Treatment of Arterial Hypertension in Complex Chronic Patients
- 1.5. Dyslipidemia in the Complex Chronic Patient
 - 1.5.1. Management of Dyslipidemia in Complex Chronic Patients
 - 1.5.2. Diet for this Type of Patient
 - 1.5.3. New Drugs for the Treatment of Dyslipidemia in the Complex Chronic Patient
- 1.6. Peripheral Arterial Disease in the Complex Chronic Patient
 - 1.6.1. Management of Peripheral Arterial Disease in Complex Chronic Patients
 - 1.6.2. Risk Factors in the Complex Chronic Patient
 - 1.6.3. Follow-up of the Complex Chronic Patient with Peripheral Arterial Disease
- 1.7. Chronic Obstructive Pulmonary Disease in the Complex Chronic Patient
 - 1.7.1. Tobacco Use in the Complex Chronic Patient
 - 1.7.2. Management of Repeat Admissions. Discharge Planning
 - 1.7.3. Follow-up and Treatment of Obstructive Pulmonary Disease in the Complex Chronic Patient



- 1.8. Chronic *Cor Pulmonale* in the Complex Chronic Patient
 - 1.8.1. Management of *Cor Pulmonale* in Complex Chronic Patients
 - 1.8.2. Follow-Up of *Cor Pulmonale* in the Complex Chronic Patient
 - 1.8.3. Treatment
- 1.9. Pulmonary Thromboembolism in the Complex Chronic Patient
 - 1.9.1. Risk Factors in the Complex Chronic Patient
 - 1.9.2. Follow-Up of Pulmonary Thromboembolism in the Complex Chronic Patient
 - 1.9.3. Treatment of Pulmonary Thromboembolism in the Complex Chronic Patient
- 1.10. Obstructive Sleep Apnea Syndrome in the Complex Chronic Patient
 - 1.10.1. Regulation of Ventilation in the Complex Chronic Patient
 - 1.10.2. Obesity in the Complex Chronic Patient
 - 1.10.3. Obstructive and Central Apnea in the Complex Chronic Patient

Module 2. Neurological and Cognitive Pathologies and Mental Illness in the Complex Chronic Patient

- 2.1. Intracranial Vascular Pathology in the Complex Chronic Patient. Ischemia and Hemorrhage
 - 2.1.1. Management of Cerebral Vascular Diseases in the Complex Chronic Patient
 - 2.1.2. Clinical Manifestations and Risk Factors. Prevention and Treatment Strategies
 - 2.1.3. Multidisciplinary Approach: Prevention, Treatment and Rehabilitation
 - 2.1.4. Psychosocial Aspects in Patient Recovery
- 2.2. Dementia in the Complex Chronic Patient
 - 2.2.1. Management of Alzheimer's Disease and other Primary Degenerative Dementias in these Patients
 - 2.2.2. Vascular and Other Secondary Dementias in the Complex Chronic Patient
 - 2.2.3. Comprehensive Management and Long-Term Care of the Patient
 - 2.2.4. Role of the Family and Caregivers in the Care of the Chronic Patient with Dementia
 - 2.2.5. Impact of Dementia on Society
- 2.3. Disorders of Movement in the Complex Chronic Patient
 - 2.3.1. Management of Parkinson's Disease and Other Parkinsonian Disorders in the Complex Chronic Patient
 - 2.3.2. Management of Chorea, Dystonia and Other Movement Disorders in the Complex Chronic Patient
 - 2.3.3. Collaboration between Medical Specialties and Non-Pharmacological Therapies
 - 2.3.4. Psychosocial Aspects in Patient Quality of Life
- 2.4. Amyotrophic Lateral Sclerosis as a Complex Disease
 - 2.4.1. Management of ALS as a Complex Disease. Multidisciplinary Care
 - 2.4.2. Multidisciplinary Approach to the ALS Patient
 - 2.4.3. Emotional Support and Palliative Care in the Chronic ALS Patient
 - 2.4.4. Role of Social Services in Comprehensive Care
 - 2.4.5. Palliative Care and Quality of Life
- 2.5. Epilepsy in the Complex Chronic Patient
 - 2.5.1. Management of Epilepsy in Complex Chronic Patients
 - 2.5.2. Management of the Cognitive, Behavioral and Emotional Effects of Epilepsy in the Complex Chronic Patient
 - 2.5.3. Stigma and Quality of Life in Chronic Patients with Epilepsy
- 2.6. Headaches and Migraine in the Complex Chronic Patient
 - 2.6.1. Management of Chronic Headaches in Complex Chronic Patients
 - 2.6.2. Biopsychosocial Impact of Chronic Headaches
 - 2.6.3. Comprehensive Approach: Therapies and Strategies for Quality of Life Improvement in Headache Patients
- 2.7. Polyneuropathies in the Complex Chronic Patient
 - 2.7.1. Management of Polyneuropathies in Complex Chronic Patients
 - 2.7.2. Multidisciplinary Assessment and Team Approach in the Treatment of Polyneuropathies in the Complex Chronic Patient
 - 2.7.3. Physical and Psychosocial Rehabilitation in the Patient with Chronic Polyneuropathy
- 2.8. Neuropathic Pain in the Complex Chronic Patient
 - 2.8.1. Pain Management as a Chronic Pathology
 - 2.8.2. Multidisciplinary Strategies for Pain Management in the Complex Chronic Patient
 - 2.8.3. Biopsychosocial Approach
- 2.9. Multiple Sclerosis in the Complex Chronic Patient
 - 2.9.1. Comprehensive Approach in Complex Chronic Multiple Sclerosis Patients: Coordination of Care Between Neurology, Physical Therapy and Mental Health
 - 2.9.2. Rehabilitation and Long-Term Care of Chronic Patients With Multiple Sclerosis
 - 2.9.3. Ongoing Support and Community Services for the Patient and Family

- 2.10. Mental Illness in the Complex Chronic Patient
 - 2.10.1. Management of Mental Illness in the Complex Chronic Patient
 - 2.10.2. Multidisciplinary Therapeutic Approach in the Complex Chronic Patient: Coordination of Care
 - 2.10.3. Ethics in the Treatment of Chronic Mental Illnesses in the Patient
 - 2.10.4. Stigma Associated with Mental Illness. Impact on the Patient's Quality of Life

Module 3. Infectious Pathology in the Complex Chronic Patient

- 3.1. Management of Infections in the Complex Chronic Patient
 - 3.1.1. Use of Antimicrobials in Patients with Multiple Pathologies
 - 3.1.2. Multidrug-Resistance in Complex Chronic Patients
 - 3.1.3. Selection of Antimicrobial Treatment According to the Case
 - 3.1.4. Health Care-associated Infections
- 3.2. Respiratory Infections in the Complex Chronic Patient
 - 3.2.1. Prevalence and Etiology
 - 3.2.2. Microbiological Samples. Indications and Interpretation
 - 3.2.3. Selection of Antimicrobial Treatment in the Complex Chronic Patient
- 3.3. Urinary Infections in the Complex Chronic Patient
 - 3.3.1. Etiology and Use of Microbiological Specimens
 - 3.3.2. Asymptomatic Bacteriuria in the Complex Chronic Patient
 - 3.3.3. Management of Lower Urinary Tract Infection and Catheter-Associated Cystitis
 - 3.3.4. Management of Upper Urinary Tract Infection
- 3.4. *Clostridioides Difficile* Infections in the Complex Chronic Patient
 - 3.4.1. Management of *Clostridioides Difficile* Infections in the Complex Chronic Patient
 - 3.4.2. *C. difficile* Infection Diagnosis
 - 3.4.3. Treatment of First Infection and Recurrences
- 3.5. Skin and Soft Tissue Infections in the Complex Chronic Patient
 - 3.5.1. Management of Skin Infections in Complex Chronic Patients
 - 3.5.2. Management of Decubitus Ulcers in the Complex Chronic Patient
 - 3.5.3. Management of Diabetic Foot in the Complex Chronic Patient





- 3.6. Bacteremia and Endovascular Infections in the Complex Chronic Patient
 - 3.6.1. Management of Bacteremia and Endovascular Infections in the Complex Chronic Patient
 - 3.6.2. Treatment and Monitoring of Bacteremia in Complex Chronic Patients
 - 3.6.3. Management of Infection From Endovascular Devices in Complex Chronic Patients
- 3.7. Infections of Surgical Wounds in Complex Chronic Patients
 - 3.7.1. Scarring in Patients with Chronic Pathology
 - 3.7.2. Etiology of Surgical Wound Infection and Microbiological Diagnosis
 - 3.7.3. Multidisciplinary Treatment of Surgical Wounds in Complex Chronic Patients
- 3.8. Prosthesis Infection in the Complex Chronic Patient
 - 3.8.1. Management of Prosthetic Joint Infection in the Complex Chronic Patient
 - 3.8.2. Etiology and Diagnosis of Prosthetic Infection
 - 3.8.3. Choice of Treatment and Duration
- 3.9. Intra-Abdominal Infection in the Complex Chronic Patient
 - 3.9.1. Management of Cholecystitis in Complex Chronic Patients
 - 3.9.2. Management of Diverticulitis in Complex Chronic Patients
 - 3.9.3. Etiology, Diagnosis and Treatment of Intra-abdominal Abscess in the Complex Chronic Patient
- 3.10. Treatments and Prophylaxis in the Most Prevalent Infectious Pathology
 - 3.10.1. Vaccination in the Complex Chronic Patient
 - 3.10.2. Antimicrobial Prophylaxis in Special Situations
 - 3.10.3. Infection Treatment Tables in the Complex Chronic Patient

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.





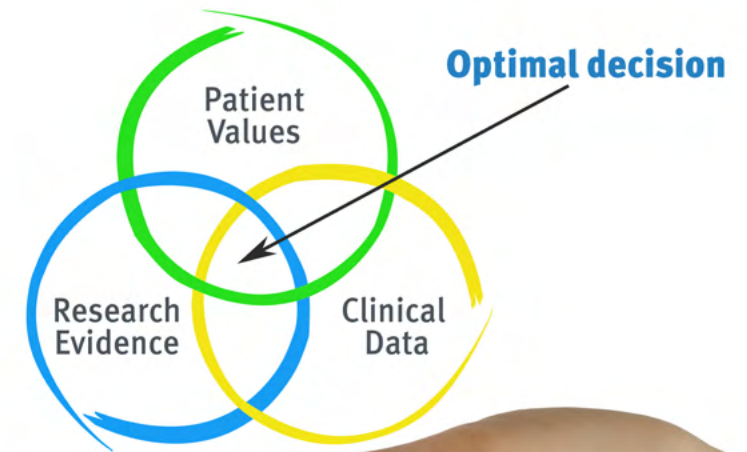
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH 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.

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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. 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

This Postgraduate Diploma in Cardio-Respiratory, Neurological and Infectious Pathology in the Complex Chronic Patient 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 Cardio-Respiratory, Neurological and Infectious Pathology in the Complex Chronic Patient** 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.

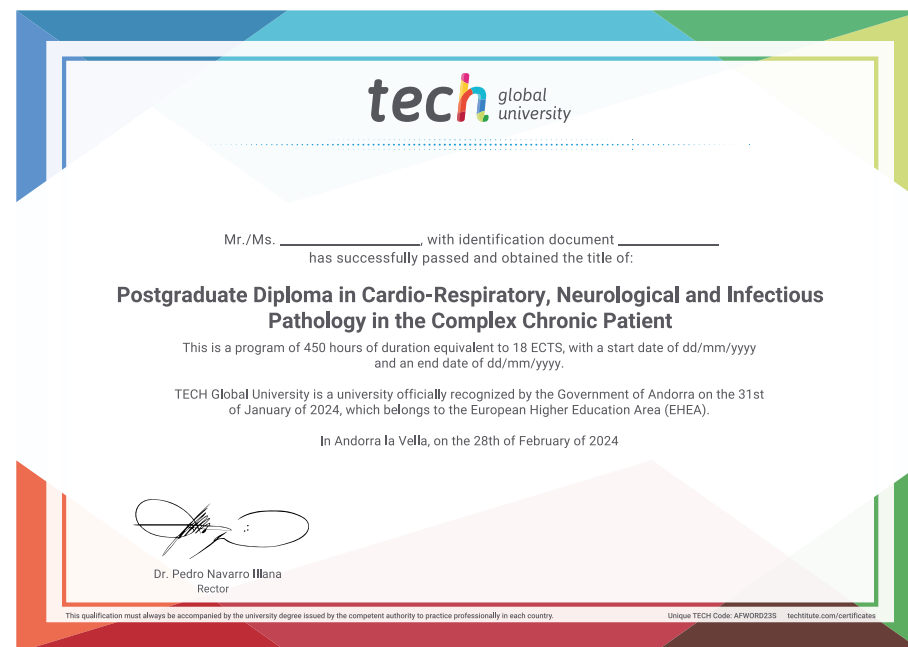
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Cardio-Respiratory, Neurological and Infectious Pathology in the Complex Chronic Patient**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**



*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.

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

tech global
university

Postgraduate Diploma
Cardio-Respiratory,
Neurological and Infectious
Pathology in the Complex
Chronic Patient

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

knowledge present

online tra

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virtual classroom

Postgraduate Diploma

Cardio-Respiratory, Neurological
and Infectious Pathology in
the Complex Chronic Patient

