Postgraduate Certificate
Transversal Skills in the Complex Chronic Patient

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Postgraduate Certificate
Transversal Skills in the Complex Chronic Patient

- » 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/transversal-skills-complex-chronic-patient**

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01
Introduction

Pain management is a fundamental aspect of medical care for complex chronic patients, as it has a significant impact on their quality of life. To minimize the incapacitation of patients, physicians must resort to physiotherapeutic interventions or resort to opioid rotation, thus changing analgesics to improve the control of discomfort. However, these are dangerous strategies that can lead to overdose or other discomfort. Therefore, practitioners have to keep up with the latest trends. In this context, TECH has developed a 100% online program that addresses Breakthrough Pain and its different treatments. An exclusive academic opportunity that makes the most of the innovative Relearning system.

You will delve into the management of Oncohomatological Pathologies thanks to TECH, the best digital university in the world according to Forbes"

Transversal Skills are essential to provide comprehensive services to patients with multiple conditions. For their proper medical care, experts must keep in mind both technical aspects and social and personal conditioning factors. It is also crucial that they prioritize the autonomy of users, as they are particularly vulnerable to the deleterious effects of healthcare. In order to achieve clinical excellence, professionals need to demonstrate their ethics by fostering values such as empathy. In this way, they will be able to make the most effective decisions during the application of treatments.

In this sense, TECH implements an exclusive Postgraduate Certificate that will delve into the care of Complex Chronic Patients. Designed by an experienced teaching staff, the curriculum will delve into the empowerment of those affected, through the implementation of programs based on labor and community integration. The curriculum will also emphasize the important role played by families during the recovery process. The program will also cover ethical dilemmas such as Euthanasia or the limitation of therapeutic effort. In line with this, bioethical principles will be addressed so that graduates can integrate the most exhaustive research and cutting-edge technologies in the health area into their clinical practice.

In order to achieve this objective, the program offers a 100% online modality and has materials defined by their high quality. All of this is brought together in a convenient Virtual Campus, where students can also access a virtual library that is available at any time and place, without geographical restrictions. This methodology, combined with the application of the *Relearning* approach developed by TECH, will ensure that students acquire knowledge in a more efficient way and with better results, thus minimizing their effort. The only thing they will need is a device with Internet access to nurture their medical praxis and experience a leap in their career path.

This **Postgraduate Certificate in Transversal Skills 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 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 the STOPP/START Criteria to optimize medication prescription in elderly patients with this program"

Get up to date on the most advanced nutritional requirements to address conditions such as malnutrition in the Complex Chronic Patient.

Don't miss this exclusive and 100% online academic opportunity, where you can access the contents 24 hours a day, 7 days a week"

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 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

Through this program, the physician will master the key aspects of the main oncologic and hematologic diseases. This will allow them to approach pain using the most sophisticated technological tools in the health sector. In addition, they will optimize their skills in the pharmacological management of patients, taking into account their side effects. In addition, they will be able to effectively assess the nutritional, rehabilitative and psychosocial needs of patients in order to provide quality care.
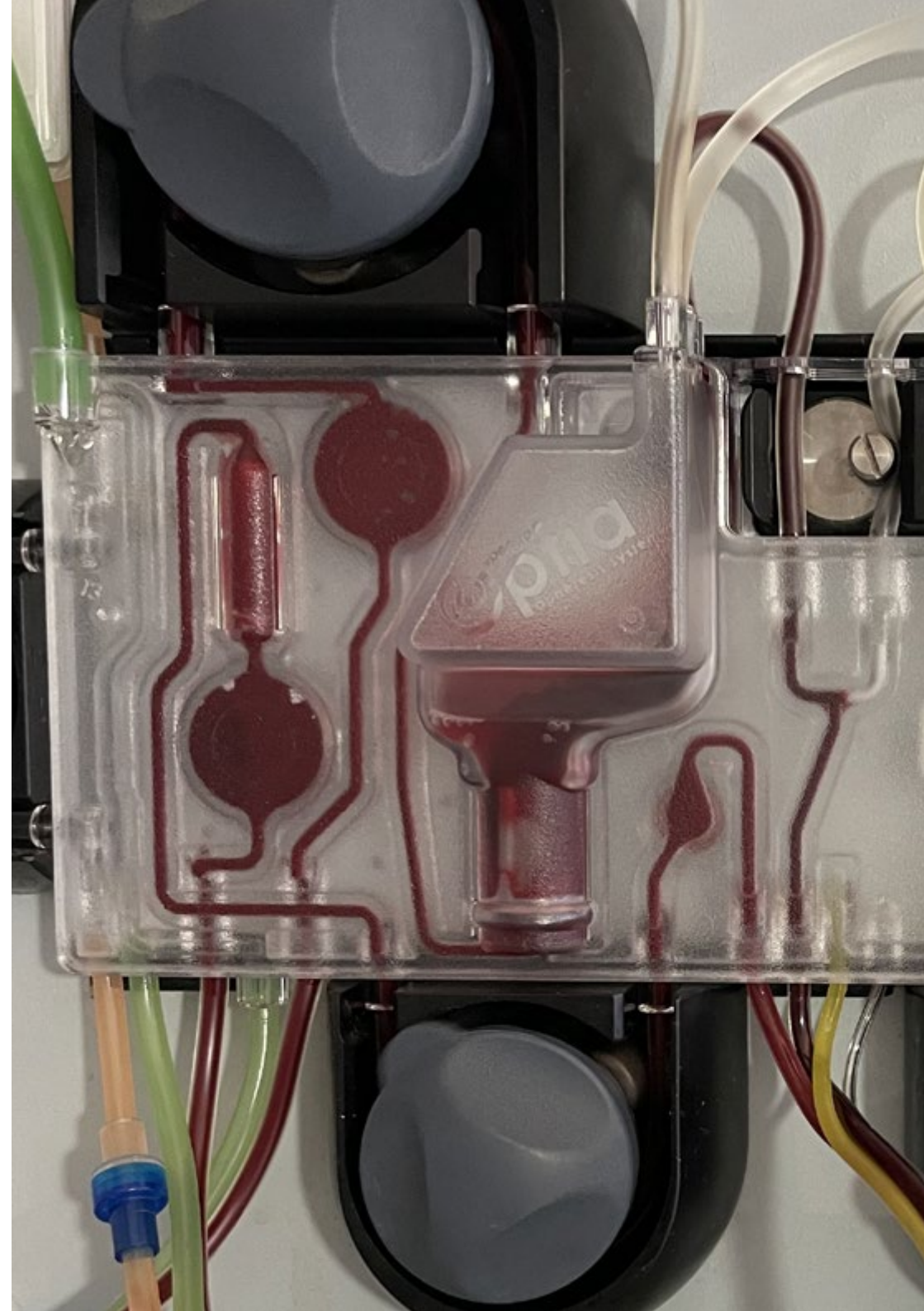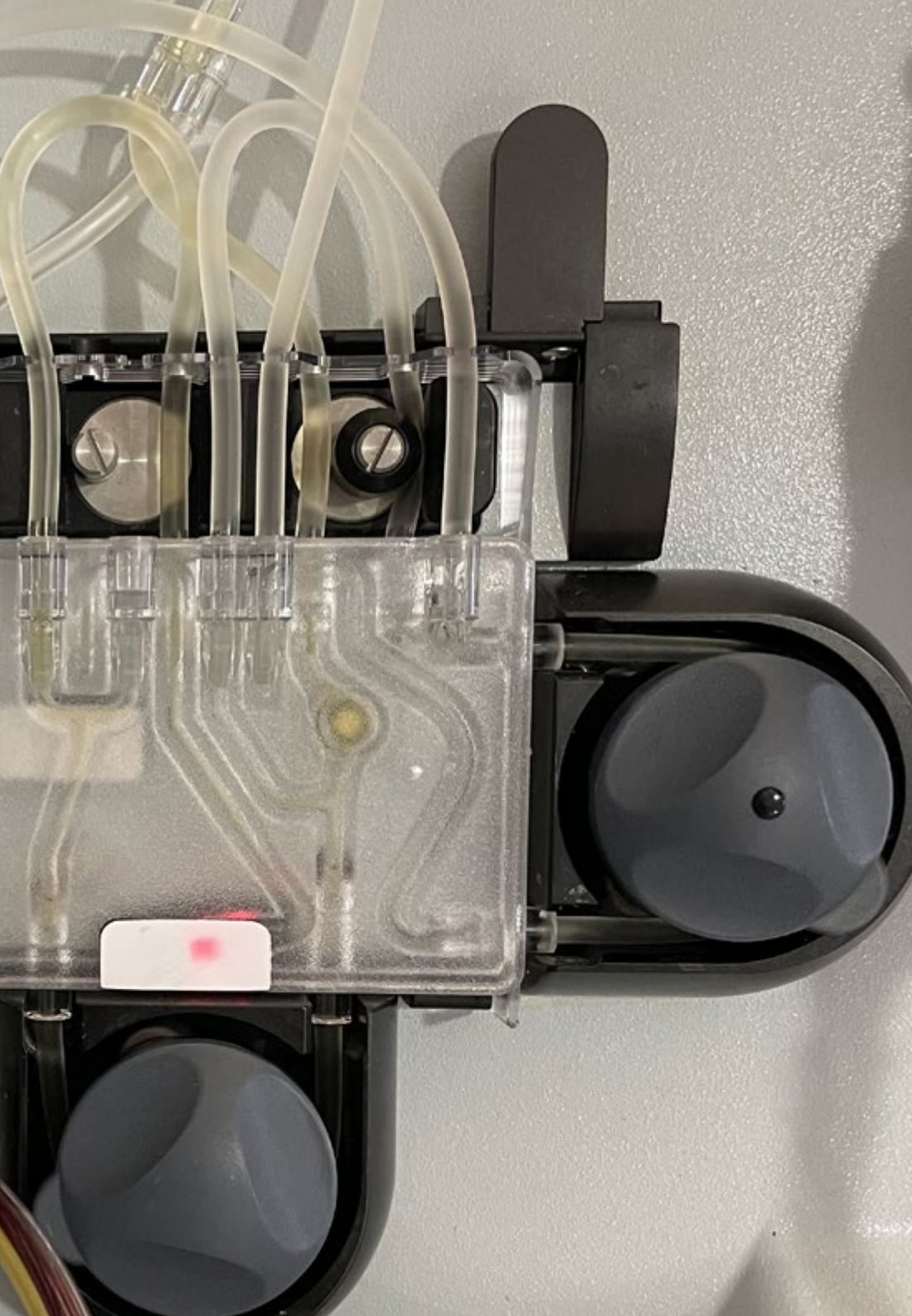
You will extend your Doctor skills through real the analysis of cases and resolution of complex situations in simulated learning environments"

General Objectives

- Examine the medical problems common to most chronic and complex patients
- Present complementary therapies to the pharmacological approach
- Delve into the legal basis and bioethical aspects of the care of patients with chronic illnesses
- 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
- Assess the incidence and prevalence of nephro-urological diseases in chronic patients
- Analyze gastrointestinal diseases in patients with chronic medical conditions
- Investigate, analyze and propose comprehensive strategies for understanding and improving the management of infectious diseases in patients with complex chronic pathology
- Adequately define endocrinological pathology in chronic and complex patients
- Seek strategies that improve the patient's quality of life, minimizing the limitations imposed by the disease and its treatments
- Develop comprehensive care strategies that respond to patients' needs and improve their quality of life
- Delve into different models of health care for complex chronic patients

Specific Objectives

◆ 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

" Acquire healthcare skills from the comfort of your home and update your medical practice 100% online with TECH"

03 Course Management

TECH is distinguished by its focus on generating cutting-edge, top-quality content. To achieve this objective, it has brought together a teaching staff with extensive experience in Transversal Skills in the Complex Chronic Patient. In this way, these professionals have poured into the syllabus their in-depth knowledge of the treatment of the most common pathologies in these citizens. Therefore, this university program offers healthcare professionals an exceptional updating experience, with the support of the main specialists in the field.

You will have access to an academic itinerary designed by a recognized teaching staff, made up of true leaders in Family and Community Medicine and Geriatrics"

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 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 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

Structure and Content

This program will provide students with a comprehensive perspective to address the medical problems that most affect Complex Chronic Patients. To this end, the curriculum will present a series of fundamental aspects to provide care based on quality and humanization. In this way, the syllabus will enhance ethical skills such as empathy, effective communication or respect for diversity. Likewise, the program will emphasize the importance of executing coordinated care plans during Palliative Care. In addition, it will highlight the benefits for individuals of having the support of family members during the therapeutic process.

A course based on the latest technological advances so that you can make the most effective approaches to your Complex Chronic Patients"

Module 1. Transversal Skills in the Complex Chronic Patient

1.1.   Oncologic and Hematologic Pathology in the Complex Chronic Patient

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

    1.1.2.   Management of Oncohematologic Pathologies in the Complex Chronic Patient

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

    1.1.4.   Care of Patients with Advanced Cancer

1.2.   Injuries Associated with Dependency in the Complex Chronic Patient

    1.2.1.   Management of Muscular Atrophy in Complex Chronic Patients

    1.2.2.   Management of Skin Lesions in the Complex Chronic Patient

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

1.3.   Management of Pain in the Complex Chronic Patient

    1.3.1.   Classification of Analgesics

    1.3.2.   Breakthrough Pain Management

    1.3.3.   Opioid Rotation

    1.3.4.   Interventional Measures

1.4.   Polypharmacy. Adherence to Treatment

    1.4.1.   Polypharmacy. Selection of the Main Medications

    1.4.2.   Adherence to Treatment. Strategies for Improvement

    1.4.3.   STOPP/START Criteria

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

    1.5.1.   Complementary Therapies Scientific Evidence

    1.5.2.   Nutrition in the Complex Chronic Patient

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

    1.5.4.   Nutritional Requirements

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

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

1.6.   Physical Exercise and Functional Capacity. Rehabilitation Medicine in the Chronic Patient

    1.6.1.   Benefits of Physical Exercise

    1.6.2.   Physical Exercise Programs

    1.6.3.   Rehabilitative Therapy. Types and Objectives

1.7.   Role of Communication and Information Technologies (ICTs) in the Complex Chronic Patient

No rigid schedules or evaluation timelines. Join this flexible TECH program!"

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.

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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.

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

The Postgraduate Certificate in Transversal Skills in the Complex Chronic Patient 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 Transversal Skills 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 Certificate in Transversal Skills in the Complex Chronic Patient**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**

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

Postgraduate Certificate in Transversal Skills in the Complex Chronic Patient

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

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*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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