

Postgraduate Diploma

Application of Devices and Aids to
Autonomy in Physical Therapy





Postgraduate Diploma

Application of Devices and Aids to Autonomy in Physical Therapy

Course Modality: Online

Duration: 6 months

Certificate: TECH Technological University

Official N° of hours: 400 h.

Website: www.techtute.com/us/physiotherapy/postgraduate-diploma/postgraduate-diploma-application-devices-aids-autonomy-physical-therapy

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 22

05

Methodology

p. 26

06

Certificate

p. 34

01

Introduction

In caring for patients with mobility difficulties, the emergence of new devices and systems has meant a new range of possibilities that give the geriatric patient greater autonomy and, consequently, a better quality of life. This program is a comprehensive compilation of up-to-date knowledge in this field that incorporates new devices and protocols for their prescription and use.



“

A study that will allow you to gain in-depth knowledge in the possibilities of the most current devices to support autonomy, with the most extensive understanding of their suitability and safe use in geriatric patients"

The incorporation of assistive devices for autonomy in physiotherapy work is an indispensable means of support and care for the patient. Finding the most suitable ones that offer the desired advantages is not so easy. What is needed is a complete assessment that takes into account the characteristics of each patient and their ability to handle and adapt to the devices.

To this end, the professional must assess and explore the patient's resistance and physiological reserves in order to establish the appropriate framework for action, home care, residential care, day care or social centers or private clinics.

This work should include treatments for pre-frailty, frailty, pain, trauma, neurological, respiratory and/or pelvic floor disorders, gerontological syndromes or cognitive impairment, side effects of drugs and/or biopsychosocial conditions that may complicate the clinical picture.

It is therefore essential to know the tools of physiotherapy and the appropriateness of its application in each case, such as active exercise, manual therapy and electrotherapy being able to work in an interdisciplinary team, with appropriate communication tools. Having an understanding of the concept of person-centered care, possessing the most up-to-date knowledge of support devices and even the support of current technology, can be key to success in the treatment of physiotherapy.

This **Postgraduate Diploma in Application of Devices and Aids to Autonomy in Physical Therapy** offers you the characteristics of a program of high scientific, teaching and technological level. These are some of its most notable features:

- The latest technology in online teaching software
- A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- Practical cases presented by practising experts
- State-of-the-art interactive video systems
- Teaching supported by telepractice
- Continuous updating and recycling systems
- Autonomous learning: full compatibility with other occupations
- Practical exercises for self-evaluation and learning verification
- Support groups and educational synergies: questions to the expert, debate and knowledge forums
- Communication with the teacher and individual reflection work
- Content that is accessible from any fixed or portable device with an Internet connection
- Supplementary documentation databases are permanently available, even after the program



Incorporate the latest innovations in assistive devices, mobility and containment for the care of geriatric patients into your physical therapy practice"

“

You will learn how to perform a proper assessment that will allow you to choose the most suitable systems for each patient with mobility problems”

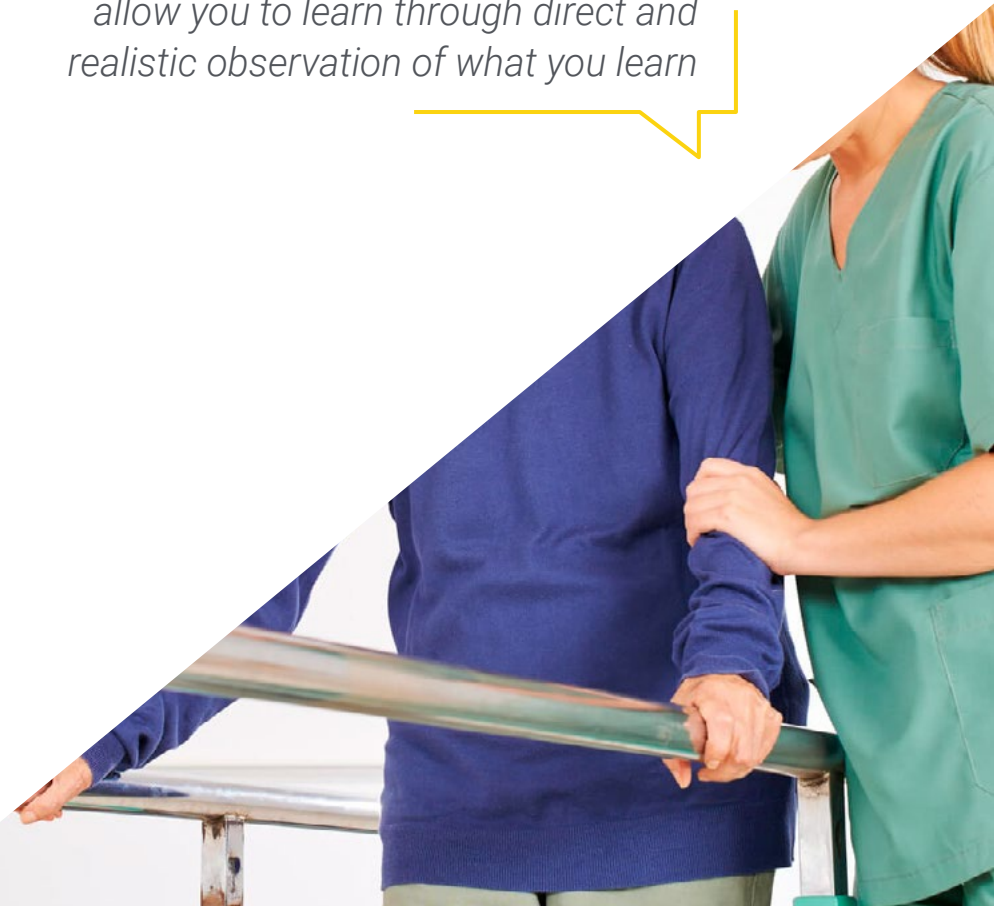
The program’s teaching staff includes professionals from the sector who contribute their work experience to this program, as well as renowned specialists from leading societies and prestigious universities.

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 learning programmed to train 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 student will be assisted by an innovative interactive video system created by renowned and experienced experts.

A high training intensive course created to allow you to learn in a dynamic and effective way

By means of the most efficient audiovisual systems, this Postgraduate Diploma will allow you to learn through direct and realistic observation of what you learn



02 Objectives

A complete opportunity to get up-to-date on everything related to the use of support systems and autonomy support in physiotherapy in geriatric patients. The objective is to provide specialized knowledge in the student by creating a well-structured foundation to identify the clinical signs associated with the different needs and developments, providing a broad and contextual view of the activity of this field today.





“

The objective of this Postgraduate Diploma is totally practical, with an approach designed to convert knowledge into real intervention skills”



General Objective

- The overall objective is to develop a critical and reasoned attitude, based on the latest scientific evidence, towards the physiotherapeutic diagnosis in the elderly patient and to be able to apply an adequate treatment in order to reduce functional impotence, frailty and deterioration, thus favoring an improvement of physical and mental health in old



Update your knowledge through the Postgraduate Diploma in the Application of Devices and Aids to Autonomy in Physical Therapy"





Specific Objectives

Module 1. Clinical Reasoning in Physiogeriatrics

- ♦ Explain active aging from the patients point of view
- ♦ Define the fields of action of physiotherapy in geriatrics
- ♦ Define the role of physiotherapy in palliative care units
- ♦ Define the use of new technologies in physiogeriatrics
- ♦ Explain what interdisciplinary teams in geriatrics consist of
- ♦ Define the composition and functioning of the interdisciplinary team
- ♦ Explain the main functions within the interdisciplinary team
- ♦ Establish the differential diagnosis: red and yellow flags
- ♦ Describe the major geriatric syndromes
- ♦ Explain what red and yellow flags consist of
- ♦ Define the most common red flags in clinical practice
- ♦ Explain the proper approach to the physical therapy session in geriatrics
- ♦ Describe the physiotherapeutic examination and assessment of the geriatric patient
- ♦ Define the effects on the neuromusculoskeletal system of certain drugs

Module 2. Update on Support Devices for the Autonomy of People

- ♦ Describe the decalogue of person-centered care
- ♦ Explain the process of transformation from a service model to a PCC model
- ♦ Explain the provision of physical therapy services in an PCC model
- ♦ Define and classify the different assistive devices for activities of daily living
- ♦ Define and classify the different pressure relieving devices for the prevention of pressure ulcers
- ♦ Explain the novelties in the different devices designed to facilitate mobility and correct positioning
- ♦ Explain the application of accessibility and architectural barrier removal support products
- ♦ Define new technology for the creation of low-cost support products

03

Course Management

The program's teaching staff includes specialists in the field of physiotherapy, who contribute the experience of their work to this program. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.





“

A selection of expert teachers in physiotherapy in geriatrics will be in charge of taking you to the most up-to-date domain of this area of work"

International Guest Director

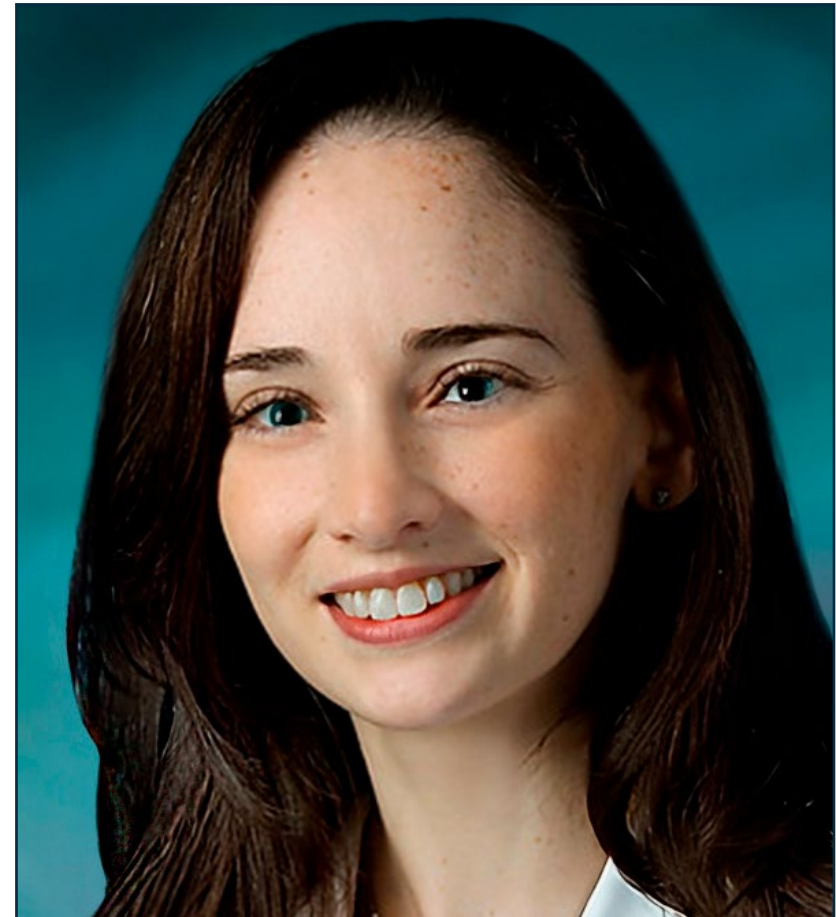
Dr. Tracy Friedlander is an eminent international expert, specialized in Physiotherapy and Rehabilitation of the elderly. Her extensive knowledge and skills in this field have enabled her to implement innovative procedures and improve the quality of life of various patients over the years.

Thanks to her high level of care, the scientist has been selected as Medical Director of the Comprehensive Acute Inpatient Rehabilitation Unit at Johns Hopkins Bayview Medical Center. She has also been part of the medical teams at the prestigious Johns Hopkins Hospital.

Her main area of expertise is Neurological Rehabilitation. In this field, the expert has scientific publications referenced in peer-reviewed journals of high impact in the health community. As such, she has focused her efforts on helping patients to control Spasticity, a muscle control disorder, through various therapeutic approaches.

In addition, some of her most outstanding research in recent years is related to the rehabilitation of patients subjected to long periods of mechanical ventilation when infected with the SARS-CoV-2 virus. She is also fully qualified to treat joint pain, fibromyalgia and chronic pain and fatigue.

Dr. Friedlander also holds official certifications from the American Board of Physical Medicine and Rehabilitation. All of this is backed by her excellent knowledge in the precise and advanced care of spinal cord injuries. On the other hand, this specialist has an excellent academic background. She graduated from Emory University in Atlanta and obtained her medical degree from the University of Maryland. She also completed her internship at Mercy Medical Center and her residency in Physical Medicine and Rehabilitation at Sinai Hospital in Baltimore.



Dra. Friedlander, Tracy

- ♦ Director of the Department of Physical Medicine and Rehabilitation at Johns Hopkins Hospital
- ♦ Medical Director of the Comprehensive Acute Inpatient Rehabilitation Unit at Johns Hopkins Bayview Medical Center
- ♦ Specialist in Neurorehabilitation and Spasticity Management
- ♦ Official certifications from the American Board of Physical Medicine and Rehabilitation
- ♦ Specialist in Physical Medicine and Rehabilitation at Sinai Hospital of Baltimore
- ♦ Medical Graduate from the University of Maryland, Baltimore
- ♦ Member of:
 - ♦ American Academy of Physical Medicine and Rehabilitation
 - ♦ American Spinal Cord Injury Association
 - ♦ Maryland Society for Physical Medicine and Rehabilitation

“

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

Guest Director



Dr. Castillo, Juan Ignacio

- ♦ Head of the Hematology Department at the 12 de Octubre Hospital, Madrid
- ♦ Associate Professor at the Complutense University of Madrid, School of Medicine, 2016
- ♦ Collaborating Professor at the Complutense University of Madrid, 2011-2016
- ♦ Teaching coordinator in continuing education courses at the Madrid Regional Ministry of Health: "Tertiary prevention in chronic cardiopathic patients" "Cardiac Rehabilitation"
- ♦ Master's Degree in Cardiac Rehabilitation, SEC-UNED
- ♦ Master's Degree in Disability Assessment, Autonomous University of Madrid
- ♦ Master's Degree in Childhood Disability, Complutense University of Madrid
- ♦ Doctorate Course: Neurosciences, University of Salamanca
- ♦ Degree in Medicine and Surgery from the University of Salamanca
- ♦ Coordinator of continuing education of the Spanish Society of Cardiology in Exercise Testing with Oxygen Consumption

Co-Direction



Dr. García Fontalba, Irene

- ♦ Manager and physiotherapist at the private physiotherapy center Cal Moure'S, with the aim of treating limitations of daily living skills due to pain or pathologies associated with aging
- ♦ Member of the Girona Territorial Section of the Association of Physiotherapists of Catalonia
- ♦ Creator of the blog "Fisios y Otras Historias" (Physios and Other Stories)
- ♦ Psychology undergraduate student
- ♦ Coordinator the Group of social networks of the group of professionals for the promotion of health in Girona (2015-2017)
- ♦ More than ten years working in geriatric pathology and processes involving pain at home and in private practice

Professors

Dr. Soto Bagaria, Luis

- ♦ Physiotherapist and researcher at Parc Sanitari Pere Virgili
- ♦ Master's Degree in Neuromusculoskeletal Physiotherapy
- ♦ Member of the research team on aging, frailty and transitions (Re-Fit BCN)
- ♦ More than 10 years working in the field of aging

Dr. Gil Gracia, Samuel

- ♦ Physiotherapist and Osteopath in free practice in Béziers (France);
- ♦ Member of the Spanish Society of Physiotherapy and Pain SEFID;
- ♦ Author of the videoblog Soy Paciente de Samu, a channel on physiotherapy for the population
- ♦ Specialist in Musculoskeletal Pain

Dr. Jimenez Hernández, Daniel

- ♦ PhD in Education from the University of Vic
- ♦ Physiotherapist
- ♦ Official Master's Degree in Inclusive Education
- ♦ Member of the research group of attention to diversity at University of Vic
- ♦ Professor at the University of Vic
- ♦ Trainer of PCC professionals
- ♦ More than 25 years of experience in caring for people in contexts of disability and dependence





Dr. Gómez Orta, Roger

- ◆ Physiotherapist and Orthopedic Technician
- ◆ Co-founder of Qvitec S.L.
- ◆ Responsible for the seating and positioning clinic service at Qvitec
- ◆ Specialist and trainer in patient management of Handicare products in Spain

Dr. Hernandez Espinosa, Joaquín

- ◆ Physiotherapist. Director of residential center Pineda Senior Citizens Hotel Residence
- ◆ Postgraduate Degree in Respiratory Physiotherapy
- ◆ More than 20 years of experience in the field of Geriatric Physiotherapy at hospital, home and residential level

Dr. Buldón Olalla, Alejandro

- ◆ Expert in physical activity and sport physiotherapy
- ◆ Master's Degree in Social Networks and Digital Learning
- ◆ More than 12 years of experience in residential and home care for the elderly
- ◆ Founder of the blog fisioconectados.com
- ◆ Physiotherapist in the Amavir group and in home care for the elderly

Dr. Díaz Zamudio, Delia

- ♦ Resident Intern of Rehabilitation and Physical Medicine in the Rehabilitation Service of the 12 de Octubre University Hospital
- ♦ Attending specialist in the Rehabilitation Service of the 12 de Octubre University Hospital, Madrid
- ♦ Honorary Collaborator of the Department of Physical Medicine and Rehabilitation and Hydrology at the 12 de Octubre Hospital, Complutense University of Madrid
- ♦ Degree in Medicine and Surgery, Faculty of Medicine, University of Seville
- ♦ Faculty specialist of Rehabilitation and Physical Medicine, Rehabilitation Service, University Hospital Denia, Alicante in 2013
- ♦ Faculty specialist of Rehabilitation and Physical Medicine, Rehabilitation Service of the Alto Deba University Hospital, Mondragón, San Sebastián in 2012

Dr. Cuesta Gascón, Joel

- ♦ Resident of Physical Medicine and Rehabilitation at the 12 de Octubre University Hospital, Madrid
- ♦ Teacher of the Specialization Course in Neuropathic Pain at La Princesa Hospital, 2019
- ♦ Organizer and speaker at "See you on the 12th". "Fundamentals and Physiology of Sport". 2020
- ♦ Speaker at "AMIR 2020 Academy post-MIR Conference" on the specialty of Physical Medicine and Rehabilitation
- ♦ Master's Degree in Clinical Medicine, Francisco de Vitoria University, Madrid
- ♦ Medical Degree from the University Camilo José Cela, Madrid.
- ♦ Expert in musculoskeletal ultrasonography

Dr. González García, María Dolores

- ♦ Head of the Neurological Rehabilitation Service, 12 Octubre Hospital, Madrid
- ♦ Area Specialist Physician, 12 de Octubre Hospital, Madrid
- ♦ Degree in Medicine and Surgery from the University of Alcalá. Alcalá de Henares, Madrid
- ♦ Specialist in Physical Medicine and Rehabilitation
- ♦ Specialist in Physical Medicine and Rehabilitation as resident intern (MIR) in the Rehabilitation Service at the 12 de Octubre University Hospital, Madrid, 2002-2006

Dr. Pino Giráldez, Mercedes

- ♦ Assistant Rehabilitation Physician at the 12 de Octubre University Hospital, Madrid
- ♦ Specialist in Physical Medicine and Rehabilitation, University Hospital of Guadalajara
- ♦ Specialist in Childhood Disability from the Complutense University of Madrid
- ♦ Degree in Medicine and Surgery from Alcalá de Henares University, Madrid
- ♦ Residency training in Physical Medicine and Rehabilitation
- ♦ Medical Rehabilitation Specialist at the Jimenez Diaz Foundation Hospital, 2012
- ♦ Assistant Rehabilitation Physician at Rey Juan Carlos I Hospital, Madrid, 2013
- ♦ Assistant Rehabilitation Physician at Torrejón de Ardoz Hospital, 2014
- ♦ Assistant Rehabilitation Physician at the University Hospital of Guadalajara, 2014

Dr. Jiménez, Henar

- ♦ Internal Medicine Resident: 12 de Octubre University Hospital, Madrid
- ♦ Course on the Safe Use of Medication in the Madrid Health Service
- ♦ Expert in Physiotherapy and Sports Rehabilitation at the International University Isabel of Castile



Dr. García, Sofía

- ◆ Specialist Doctor- Physical Medicine and Rehabilitation, Pediatric Rehabilitation Department, 12 de Octubre University Hospital, Madrid
- ◆ Specialist Doctor- Physical Medicine and Rehabilitation, 12 de Octubre University Hospital, Madrid
- ◆ Specialist in Physical Medicine and Rehabilitation, Language Rehabilitation Center, Madrid
- ◆ Master's Degree in Musculoskeletal Ultrasound and Ultrasound-Guided Interventionism, San Pablo Andalucía CEU
- ◆ Degree in Medicine, San Pablo CEU University School of Medicine, Madrid
- ◆ Pelvic Floor Unit (12 de Octubre University Hospital, Madrid, Spain)
- ◆ Facial Paralysis and Neurorehabilitation Unit (La Paz University Hospital, Madrid)
- ◆ Cardiac Rehabilitation (Cardiac Rehabilitation Unit of 12 de Octubre University Hospital)
- ◆ Respiratory Rehabilitation Gregorio Marañón General University Hospital, Madrid
- ◆ Neurorehabilitation Unit (12 de Octubre UH)
- ◆ Rehabilitation in spinal cord injury (National Hospital of Paraplegics, Toledo)

Dr. Blesa Esteban, Irene

- ◆ Internal Medicine Resident: 12 de Octubre University Hospital, Madrid
- ◆ Expert in musculoskeletal ultrasonography
- ◆ Course on Neuropathic Pain Management for Medicine
- ◆ Course on Evaluation and Prescription of Therapeutic Exercise
- ◆ Course in Life Support for Residents
- ◆ Supervision of doctoral thesis: Ultrasound Diagnosis of Congenital Heart Disease in the First Trimester of Pregnancy

04

Structure and Content

Through the criteria of educational effectiveness that we offer you, and through a complete and specific syllabus, you will cover all the essential areas of learning proposed, gradually acquiring the skills required to put into practice what you have learnt. A very well-developed learning structure that is tailored to your needs and will allow you to learn in a continuous, efficient way.



“

A stimulating and intensive syllabus, organized into high-impact teaching units, which includes all aspects that rehabilitative medicine must consider in the care of frail patients”

Module 1. Clinical Reasoning in Physiogeriatrics

- 1.1. Past, Present and Future of Physiotherapy in Geriatrics
 - 1.1.1. Brief History of Physiotherapy
 - 1.1.1.1. Origin of physiotherapy Beyond our Borders
 - 1.1.1.2. Origin of Physiotherapy
 - 1.1.1.3. Conclusions
 - 1.1.2. Current Situation of Physiotherapy in Geriatrics
 - 1.1.3. Future of Physiotherapy in Geriatrics
 - 1.1.3.1. Physiotherapy and New Technologies
- 1.2. Active Aging
 - 1.2.1. Introduction
 - 1.2.2. Concept of Active Aging
 - 1.2.3. Classification
 - 1.2.4. Active Aging from the Patients Point of View
 - 1.2.5. Role of the Physical Therapist in Active Aging programs
 - 1.2.6. Example of Intervention
- 1.3. Physiotherapy in Geriatrics and Context of Action
 - 1.3.1. Introduction and Definitions
 - 1.3.2. Fields of Action
 - 1.3.2.1. Residential Centers
 - 1.3.2.2. Socio-Sanitary
 - 1.3.2.3. Primary Care
 - 1.3.2.4. Physiotherapy in Palliative Care Units
 - 1.3.3. Future Areas in Physiogeriatrics
 - 1.3.3.1. New Technologies
 - 1.3.3.2. Physiotherapy and Architecture
 - 1.3.4. Interdisciplinary Teams in Geriatrics
 - 1.3.4.1. Multidisciplinary or Interdisciplinary Teams?
 - 1.3.4.2. Composition and Functioning of the Interdisciplinary Team
 - 1.3.4.3. Main Functions within the Interdisciplinary Team

- 1.4. Differential Diagnosis and Warning Signs and Symptoms: Red and Yellow Flags in Geriatrics. Differential Diagnosis: Red and Yellow Flags
 - 1.4.1. Introduction and Definitions
 - 1.4.1.1. Differential Diagnosis
 - 1.4.1.2. Diagnosis in Physiotherapy
 - 1.4.1.3. Geriatric Syndromes
 - 1.4.1.4. Red and Yellow Flags
 - 1.4.2. Most Common Red Flags in Clinical Practice
 - 1.4.2.1. Urinary Infection
 - 1.4.2.2. Oncologic Pathology
 - 1.4.2.3. Heart Failure
 - 1.4.2.4. Fractures
- 1.5. Pharmacology: Effects on the Neuromusculoskeletal System
 - 1.5.1. Introduction
 - 1.5.1.1. Drugs Influencing Gait
 - 1.5.2. Drugs and Risk of Falls
- 1.6. Approach to the Physical Therapy Session in Geriatrics
 - 1.6.1. Physiotherapy examination and assessment of the geriatric patient
 - 1.6.1.1. Valuation Components
 - 1.6.1.2. Most Commonly Used Scales and Tests
 - 1.6.2. Determination of Treatment Objectives
 - 1.6.3. Organization of the Treatment Session
 - 1.6.4. Organization of the Physiotherapist's Own Work
 - 1.6.5. Treatment Follow-Up in the Elderly Patient

Module 2. Update on Support Devices for the Autonomy of People

- 2.1. Support Product Definition
 - 2.1.1. Framework and Definition of Supporting Product
 - 2.1.1.1. ISO Business School 9999
 - 2.1.1.2. EASTIN
 - 2.1.2. What Characteristics Must Each Support Product (S.P.) Comply With?
 - 2.1.3. Success in Optimal Product Support Advice

- 2.2. Updating of the Different Assistive Devices for the Activities of Daily Living
 - 2.2.1. Facilitating Devices for Feeding
 - 2.2.2. Dressing Aids
 - 2.2.3. Facilitating Devices for Hygiene and Personal Care
- 2.3. Update on Different Pressure-Dissipating Devices for Pressure Ulcer Prevention
 - 2.3.1. Sitting
 - 2.3.2. Supine Position
 - 2.3.3. Pressure Blanket Evaluation System
- 2.4. Transfers
 - 2.4.1. Transfers and Mobilizations
 - 2.4.1.1. Common Errors
 - 2.4.1.2. Basic Guidelines for the Correct Use of the Different Devices
 - 2.4.2. Device Upgrades
- 2.5. Novelties in the Different Devices Designed to Facilitate Mobility and Correct Positioning
 - 2.5.1. General Framework
 - 2.5.2. Mobility Devices in Geriatrics
 - 2.5.2.1. Tilting Chair
 - 2.5.2.2. Scooter
 - 2.5.2.3. Electronic Driving Wheelchair
 - 2.5.2.4. Relocation Assistance
 - 2.5.2.5. Rear Walker
 - 2.5.3. Positioning Devices in Geriatrics
 - 2.5.3.1. Backups
 - 2.5.3.2. Headrest
- 2.6. Personalized Devices for the Control of Wanderers, plesioassistance
 - 2.6.1. Definition of Plesioassistance or Control of Wanderers
 - 2.6.2. Differences between Plesioassistance and Telecare
 - 2.6.3. Objectives of Plesioassistance or Control of Wanderers
 - 2.6.4. Components of the Plesioassistance Devices
 - 2.6.5. Simple Wanderer Control Devices for Home Environments
 - 2.6.6. Adaptation of the Environment to Facilitate the Wanderer's Orientation
 - 2.6.7. Summary
- 2.7. Support Products for Recreation, Taking Advantage of Current Technologies
- 2.8. Upgrading of Accessibility Support Products and Architectural Barrier Removal Products
 - 2.8.1. Framework for the Abolition of Architectural Barriers and Universal Access to Housing
 - 2.8.2. Support Products for the Removal of Architectural Barriers in the Living Environment
 - 2.8.2.1. Ramps
 - 2.8.2.2. Lift Chairs
 - 2.8.2.3. Inclined Elevated Platform
 - 2.8.2.4. Overhead Crane
 - 2.8.2.5. Short Travel Ladder Platform
 - 2.8.2.6. Lifting Platform
 - 2.8.2.7. Stair Climbing Devices
 - 2.8.2.8. Convertible Ladder



A comprehensive study that will cover all the points of interest you need to update your rehabilitation intervention in geriatrics"

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.





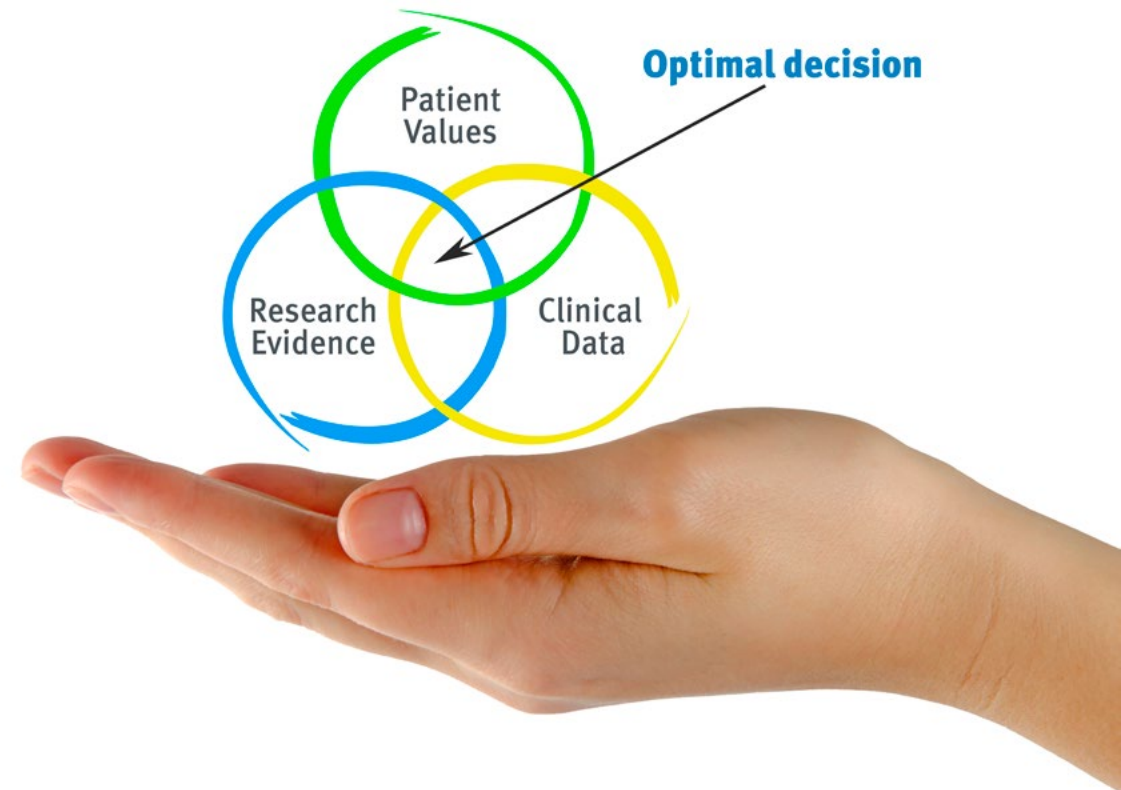
“

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. Physiotherapists/kinesiologists 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. Gervas, 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 of professional physiotherapy 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. Physiotherapists/kinesiologists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the physiotherapist/kinesiologist 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 Harvard 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.



The physiotherapist/kinesiologist will learn through real cases and by solving 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 we trained more than 65,000 physiotherapists/kinesiologists with unprecedented success in all clinical specialties, regardless of the workload. 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 learning, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for 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 our 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 really 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.



Physiotherapy Techniques and Procedures on Video

TECH brings students closer to the latest techniques, the latest educational advances and to the forefront of current Physiotherapy techniques and procedures. 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 them as many times as you want.



Interactive Summaries

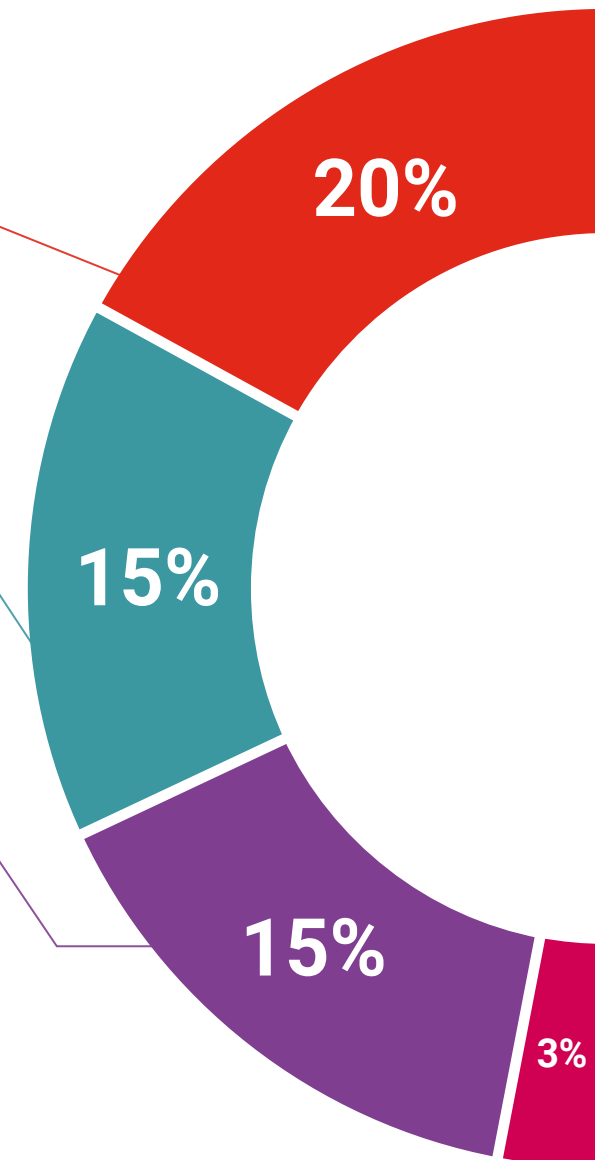
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

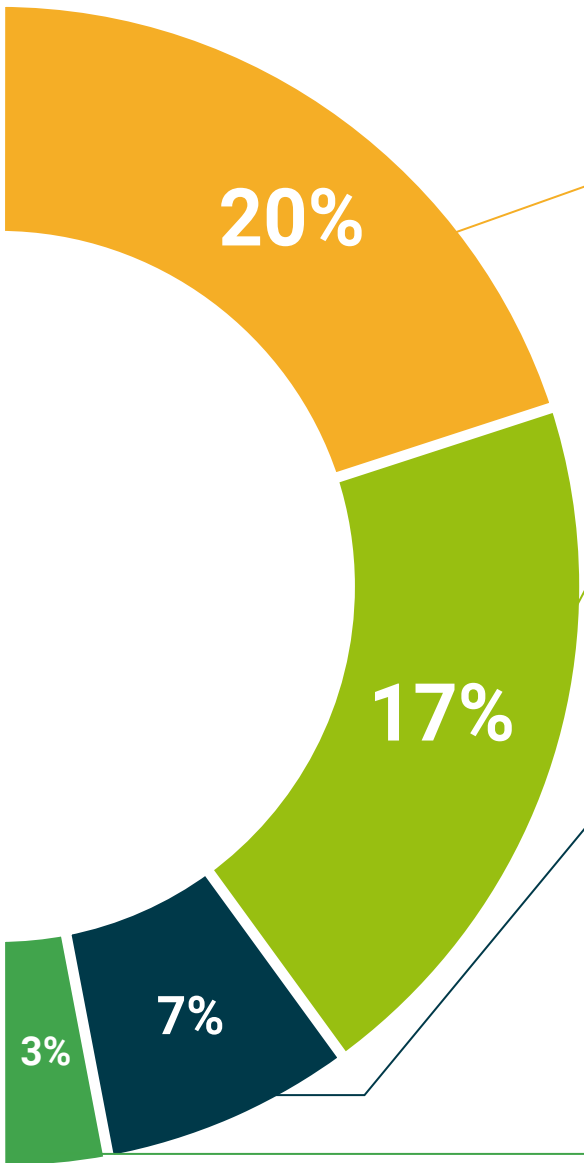
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 termed Learning from an Expert strengthens knowledge and recall capacity, and generates confidence in the face of difficult decisions in the future.



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 Diploma in Application of Devices and Aids to Autonomy in Physical Therapy guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.



The image features two black graduation caps (mortarboards) against a bright blue sky with light, wispy clouds. One cap is in the foreground on the left, held by a hand, showing its tassel. The other cap is slightly behind and to the right. The background is split diagonally by a white and blue geometric shape.

“

Successfully complete this program and receive your university diploma without travel or laborious paperwork”

This **Postgraduate Diploma in Application of Devices and Aids to Autonomy in Physical Therapy** contains the most complete and up-to-date program on the market.

After passing the assessments, the student will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will express the qualification obtained in the Postgraduate Diploma, and it meets the requirements commonly demanded by job exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in the Application of Devices and Aids to Autonomy in Physical Therapy**

Official N° of Hours: **400 h.**



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION 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
personalized service innovation
knowledge present
online training
development languages
virtual classroom

tech technological
university

Postgraduate Diploma

Application of Devices
and Aids to Autonomy in
Physical Therapy

Course Modality: Online

Duration: 6 months

Certificate: TECH Technological University

Official Nº of hours: 400 h.

Postgraduate Diploma

Application of Devices and Aids to
Autonomy in Physical Therapy

