Hybrid Professional Master's Degree

Neurological Physiotherapy in Degenerative Diseases

tech technological university

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Hybrid Professional Master's Degree

Neurological Physiotherapy in Degenerative Diseases

Modality: **Hybrid (Online + Clinical Internship)**
Duration: **12 months**
Certificate: **TECH Technological University**
Teaching Hours: **1,620 h**
Website: **www.techtitute.com/us/physiotherapy/hybrid-professional-master-degree/hybrid-professional-master-degree-neurological-physiotherapy-degenerative-diseases**

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01

Introduction

Neurological injuries are a serious problem for those affected, since the loss of physical abilities leads to a delicate situation of vulnerability that requires the best experts for the long process of recovery. With this complete program that combines the most advanced neurological theory with an internship in a high-level physiotherapeutic center, the student will be significantly improving their skills to assist in the rehabilitation of those affected by stroke, Parkinson's, multiple sclerosis or cerebral palsy. Thanks to this, they will not only increase their prestige and future career aspirations, but will also be part of one of the most sensitive health sectors, with patients who require qualified professionals with high aspirations.

You are going to move up the career ladder and bring smiles back to your patients faces with neurological rehabilitation in line with their ailments"

Neurological conditions can be of all types. From disorders such as hemiplegia, ataxia or hydrocephalus, to cranioencephalic trauma or spinal cord injuries, the therapeutic professional must have a deep knowledge of all these pathologies in order to be able to offer the best possible treatment and rehabilitation.

Being such a specific area of rehabilitation, it is also a great opportunity for professionals to specialize in a field that is in demand and requires high qualification. With the population aging more and more rapidly and exponentially, it is more common to find age-related neurological diseases, so more neurological physiotherapists will be required to have the advanced training necessary to perform the treatments.

As Neurological Physical Therapy focuses on the nervous system, the student will learn the most up-to-date knowledge in the branches of motor control and neuroplasticity, as well as advanced motor learning techniques with which to develop effective rehabilitation plans. The teaching team responsible for writing this content is of the highest level, as their extensive professional experience guarantees the adequacy of the didactic material to the most rigorous clinical knowledge and techniques.

Therefore, TECH has combined in this program the most essential and up-to-date theoretical contents with the most effective Hybrid Professional Master's Degree, so that the student has the best possible understanding of Neurological Physiotherapy. Thanks to the professionalism of the faculty and tutors, the student has the best educational guide to grow professionally and personally towards a physiotherapeutic field where they can obtain great recognition by helping patients with more delicate situations.

This **Hybrid Professional Master's Degree in Neurological Physiotherapy in Degenerative Diseases** contains the most complete and up-to-date scientific program on the market. The most important features include:

- Development of more than 100 clinical cases presented by neurological physiotherapists of the highest level, with extensive experience in the treatment of all types of conditions
- Its graphic, schematic and eminently practical contents with which they are conceived, collect scientific and healthcare information on those medical disciplines essential for professional practice
- Combination of theory and physiotherapy practice for a comprehensive understanding of all content
- Detailed and illustrated explanation of the most innovative therapeutic rehabilitation processes, used in the most prestigious clinics
- Teaching staff of high academic level, with extensive experience in the treatment of patients with neurological pathologies
- Stimulating learning in which the student's transversal skills in terms of organization and proactivity are developed
- Comprehensive study of the main neurological conditions in today's patients
- All this will be complemented with theoretical lessons, questions to the expert, discussion forums on controversial topics and individual reflection work
- Content that is accessible from any fixed or portable device with an Internet connection
- Addition, you will be able to do a clinical internship in one of the best hospital centers

You are at the best possible time to direct your career towards neurological physical therapy by pursuing this TECH program"

You will learn in the best possible way how to carry out innovative rehabilitation plans, focused on the neurological recovery of your patients.

Make your resume much more attractive to go even further in your healthcare career towards the most prestigious positions.

In this Professional Master's Degree proposal, of a professionalizing nature and blended learning modality, the program is intended to update nursing professionals who develop their functions in high performance centers, clinical or hospital centers, and who require a high level of qualification. The content is based on the latest scientific evidence and is organized in a didactic way to integrate theoretical knowledge into nursing practice. The theoretical-practical elements allow professionals to update their knowledge and help them to make the right decisions in patient care.

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 an immersive education program to learn in real situations.
This program's design is based on Problem Based Learning, by means of which the student must try to solve different professional practice situations that will be presented throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

02

Why Study this Hybrid Professional Master's Degree?

Neurological Physiotherapy is a scientific discipline of great value for the recovery of patients with degenerative diseases of the brain. This branch of health knowledge is constantly updated due to the large number of researches that address the causes and most effective treatments against these conditions. Therefore, the sector continuously presents new methodologies and techniques that force the specialized professional to look for new sources of academic improvement. This study modality offers the most relevant theoretical contents in this field and, at the same time, proposes an internship in prestigious therapeutic centers for the student to delve and acquire skills in a direct and face-to-face manner.

TECH will facilitate your access to first level therapeutic institutions where you will deal with real cases of varying complexity together with the leading experts in Neurological Physiotherapy"

1. Updating from the Latest Technology Available

The working tools of the professional of Neurological Physiotherapy in Degenerative Diseases are constantly updated as a result of new scientific discoveries in this sector. Therefore, TECH offers its students an innovative training through which they will delve into the up-to-date management of all of them.

2. Gaining In-depth Knowledge from the Experience of Top Specialists

TECH provides its students with a wide range of professionals in the field of Neurological Physical Therapy. In addition, it does so in 2 very well defined parts. In the first part, highly prestigious professors will teach the theoretical contents of this program to students. Then, during the classroom practice, they will be supported by highly experienced experts and a designated tutor, who will help reinforce the skills learned.

3. Enter into first class physiotherapeutic environments

During its practical educational phase, TECH provides its students with first-rate professional centers. In this case, it has chosen clinical and therapeutic institutions of high prestige for their care results and for their use of the most innovative technologies in therapeutic neurorehabilitation.

4. Combining the Best Theory with State-of-the-Art Practice

This educational program is a pioneer in its type since it masterfully combines theoretical teaching with practical learning. Through an intensive, rigorous internship lasting 3 weeks in specialized institutions, the student will develop the skills most in demand in the labor market.

5. Expanding the Boundaries of Knowledge

TECH wants its students to go beyond their immediate horizons and, to this end, offers them the possibility of studying Neurological Physiotherapy according to international standards. This is possible thanks to its reach as the largest digital university in the world. Therefore, each student of this program has the opportunity to choose a global reference center to carry out their professional practices.

You will have a total practical immersion in the center of your choice"

03

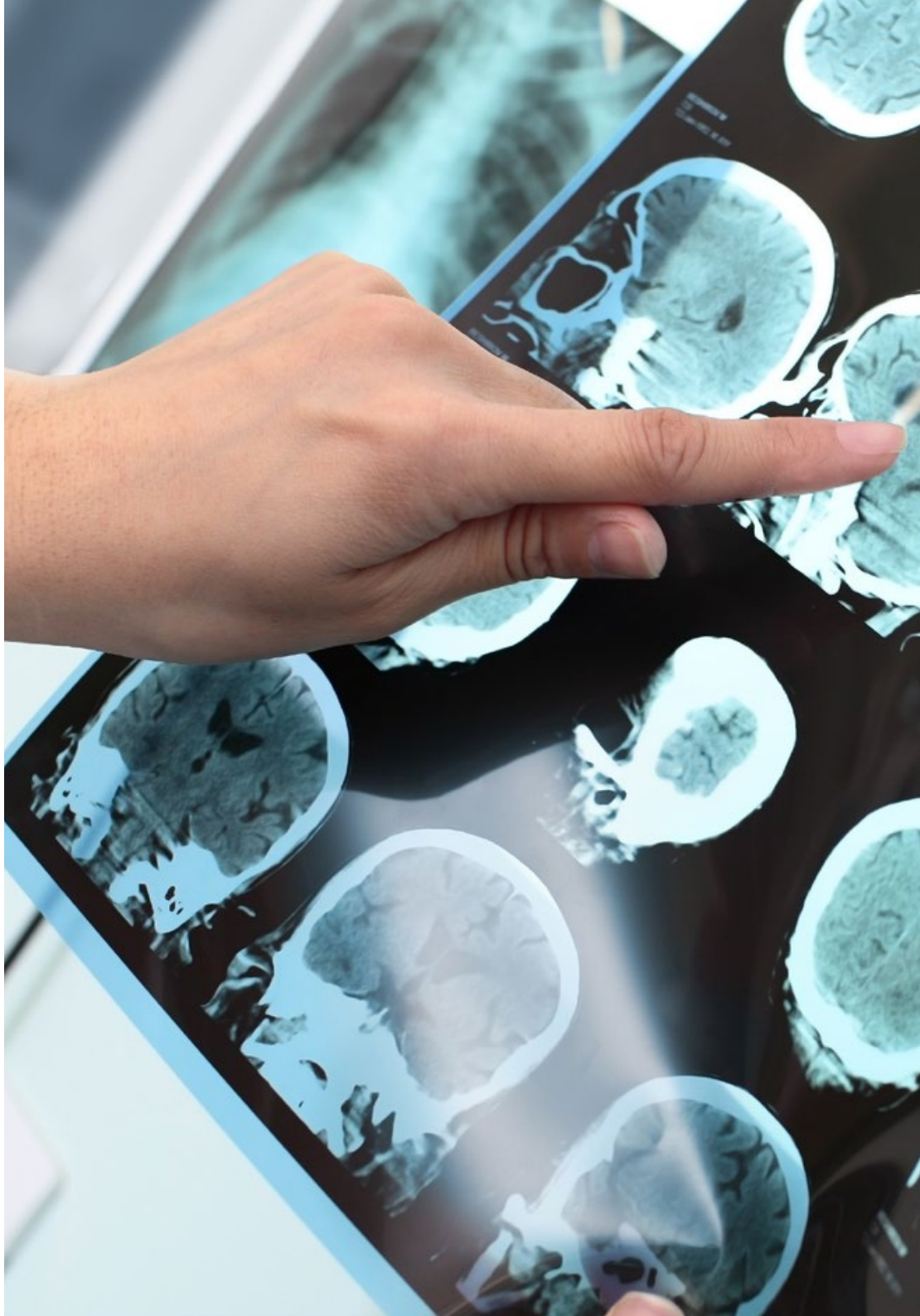
Objectives

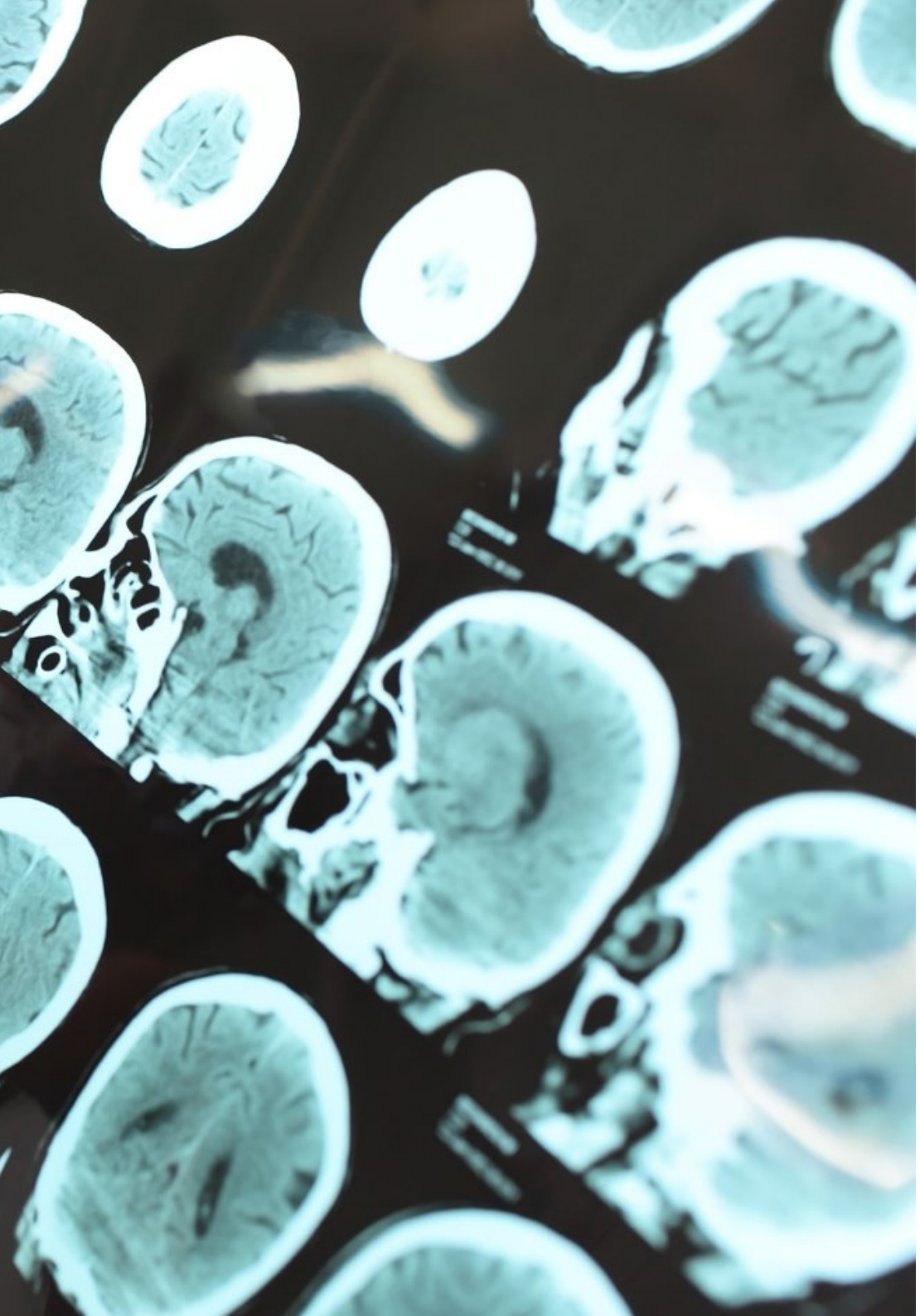
This program allows all its students to access beneficial professional improvements in the field of Neurological Physical Therapy. This is achieved with a deep and careful knowledge, including the latest health methodologies and boosting the student's career through distinction and quality. Thanks to TECH's effort and investment in the development of the Hybrid Professional Master's Degree, the graduate will be able to raise their own salary and economic expectations.

Be a pioneer and incorporate into your work the organizational techniques of neurological physiotherapeutic treatment that will make you a health reference"

General Objective

- In general terms, this program trains its students in the most advanced neurological physiotherapy on the market, with unique skills that will make them stand out and stand out above their peers. Both theoretically and practically, the student will be able to design advanced treatment plans for patients with neurological conditions, as well as carry them out with an efficient work methodology polished in real clinical environments. theoretically and practically, the student will be able to design advanced treatment plans for patients with neurological conditions, as well as to carry them out with an efficient working methodology polished in real clinical environments





Specific Objectives

Module 1. Introduction to Neurodegenerative Diseases

- Gain in-depth knowledge of the major neurodegenerative diseases and syndroms and their characteristics
- Apply patient examination and assessment through clinical cases
- Analyze the scales and assessment tests through a systematic review
- Acquire in-depth knowledge of the different methods and concepts used by neurological physiotherapists
- Gain a deep understanding of the different therapeutic tools used by other professionals on the team
- Study the writing model for physiotherapy reports and their correct drafting

Module 2. Parkinson's Disease and Other Related Neurodegenerative Diseases (Progressive Supranuclear Palsy, Corticobasal Degeneration, Multiple Systemic Atrophy)

- Discover the anatomical and functional bases of the nervous system
- Identify the various symptoms and clinical manifestations according to the area of involvement Caused by Parkinson's disease and othe related neurodegenerative diseases
- Qualify the student with a more extensive knowledge about the physiology of posture, all with the use of new technologies
- Elaborate readaptation programs to effort, balance and coordination re-education through case studies
- Define and explain the use of different assistive devices for daily activities

Module 3. Multiple Sclerosis

- Delve into the anatomical and functional basis of the nervous system involved in Multiple Sclerosis
- Identify the various symptoms and clinical manifestations according to the area of involvement in Multiple Sclerosis
- Acquire skills for the treatment of spasticity
- Train students in the analysis of movement, using explanatory videos
- Elaborate readaptation programs to effort, balance and coordination re-education through case studies

Module 4. Amyotrophic Lateral Sclerosis

- Delve into the anatomical and functional basis of the nervous system involved in Amyotrophic Lateral Sclerosis
- Identify the various symptoms and clinical manifestations according to the area of involvement in Amyotrophic Lateral Sclerosis
- Learn to identify and address swallowing disorders, respiratory insufficiency, urinary incontinence, etc
- Detect pain and discover the different ways to approach it
- Develop working methods and new trends in physiotherapy for patients with this disease, through case studies

Module 5. Huntington's Disease

- Delve into the anatomical and functional basis of the nervous system involved in Huntington's disease
- Identify the various symptoms and clinical manifestations according to the area of involvement in Huntington's disease
- Recognize the physiotherapeutic treatment implications of the different cognitive domains that are either injured or intact in movement impairment
- Develop working methods and new trends in physiotherapy for patients with this disease, through case studies

Module 6. Neuromuscular Diseases and Polyneuropathies

- Delve deeper into the anatomical and functional bases of the nervous system involved
- Identify the various symptoms and clinical manifestations of the different motor neuron affectations
- Describe the different surgical and orthotic treatments to prevent or correct deformities
- Apply innovative treatments in each of the pathologies through practical examples: crenotherapy, hydrokinesitherapy, relaxation techniques, etc
- Describe the work strategies used in acuatic therapy for the re-education of gait and daily activities

Module 7. Alzheimer's Disease and other Neurodegenerative Dementias: Frontotemporal Dementia, Lewy Body Dementia, Vascular Dementia

- Understand in depth the relationship between cortical atrophy in different areas (frontal, temporal, parietal and occipital) with aphasia, apraxias and agnosias
- Identify the various symptoms and clinical manifestations according to the area of involvement caused by Alzheimer's disease and other neurodegenerative dementias
- Delve deeper into and differentiate the different psychiatric manifestations
- Define strategies to access disoriented and/or disconnected patients
- Describe strategies to promote caregiver treatment adherence
- Develop the role of physical therapists in managing and treating dementia patients

Module 8. Cerebellar Degenerative Diseases: Hereditary Ataxias: Friedreich's Ataxia and Machado-Joseph Ataxia

- Conceptualize the functions of the cerebellum and its main clinical manifestation: ataxia
- Design therapeutic exercise programs to improve coordination and balance
- Design the necessary strategies for autonomous gait acquisition
- Apply the knowledge of postural physiology, using explanatory videos and through practice

Module 9. Neurodegenerative Diseases in Childhood

- Assess the prognosis for recovery from neurological damage as a function of age by means of a normative neurodevelopment review
- Assess pediatric age for its specific and age-specific characteristics
- Develop the different specific approach models for pediatric physiotherapy
- Gain in-depth understanding of the implication of the educational and family environment in child rehabilitation

Module 10. Neoplasms or Nervous System Tumors

- Delve into the anatomical and functional bases of the nervous system involved in affected areas
- Detect the different symptoms and clinical manifestations
- Associate and discern other pathologies previously studied: clinical manifestations, diagnostic imaging, examination, treatment, etc
- Detect pain and discover the different ways to approach it
- Specialize physiotherapists in applying physiotherapy techniques adapted to the therapeutic possibilities (radiotherapy, chemotherapy, surgery) and to the specific injuries detected (motor, sensory, cognitive sequelae)

This program is a must if you want to move on to more reputable neurological physical therapy"

04

Skills

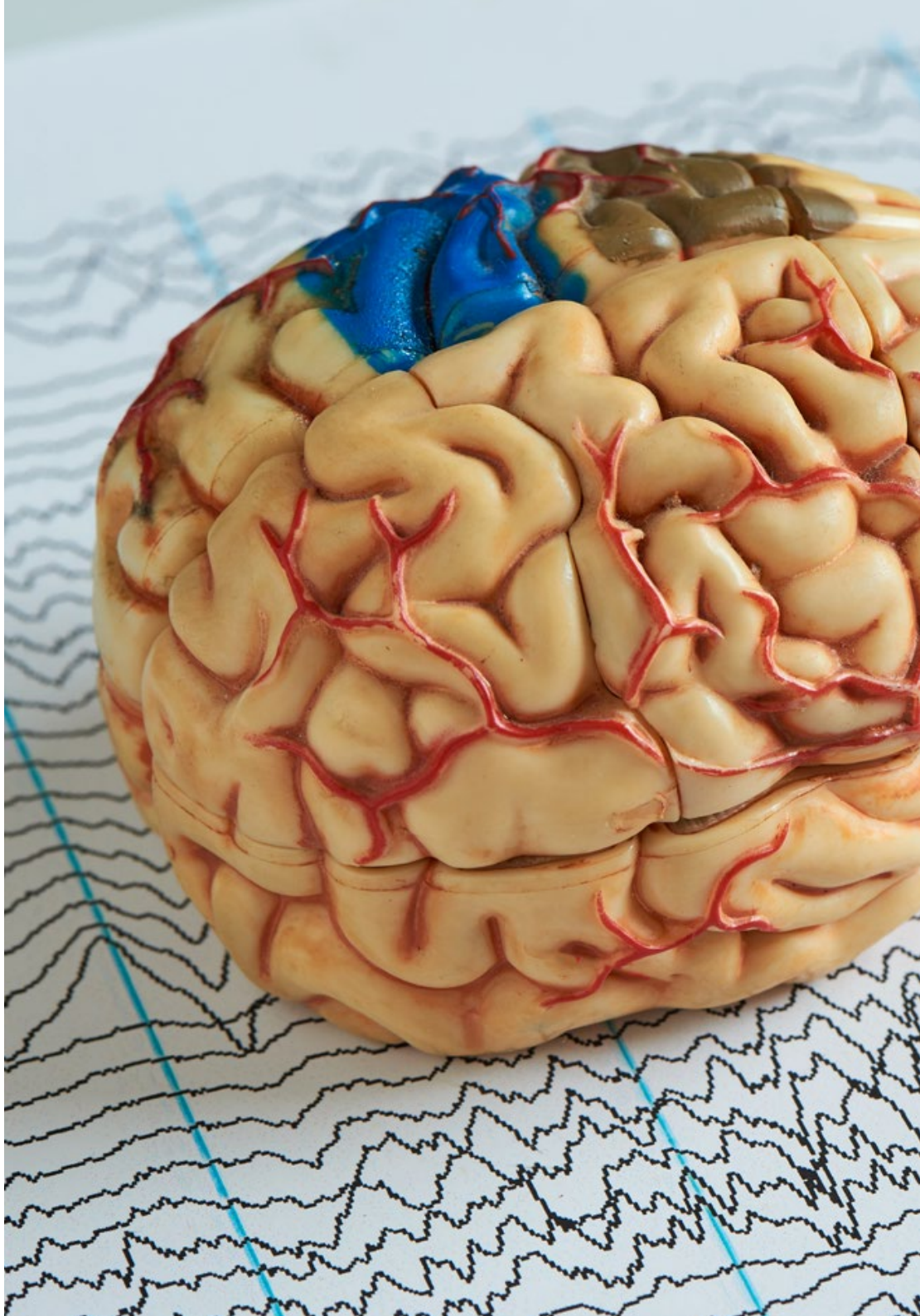
The competencies acquired by the student during this Hybrid Professional Master's Degree in Neurological Physiotherapy in Degenerative Diseases are not only the most urgent and necessary for the performance of this profession, but are complemented with a well-defined scientific and organizational training so that the student reaches his professional improvement in the shortest possible time.

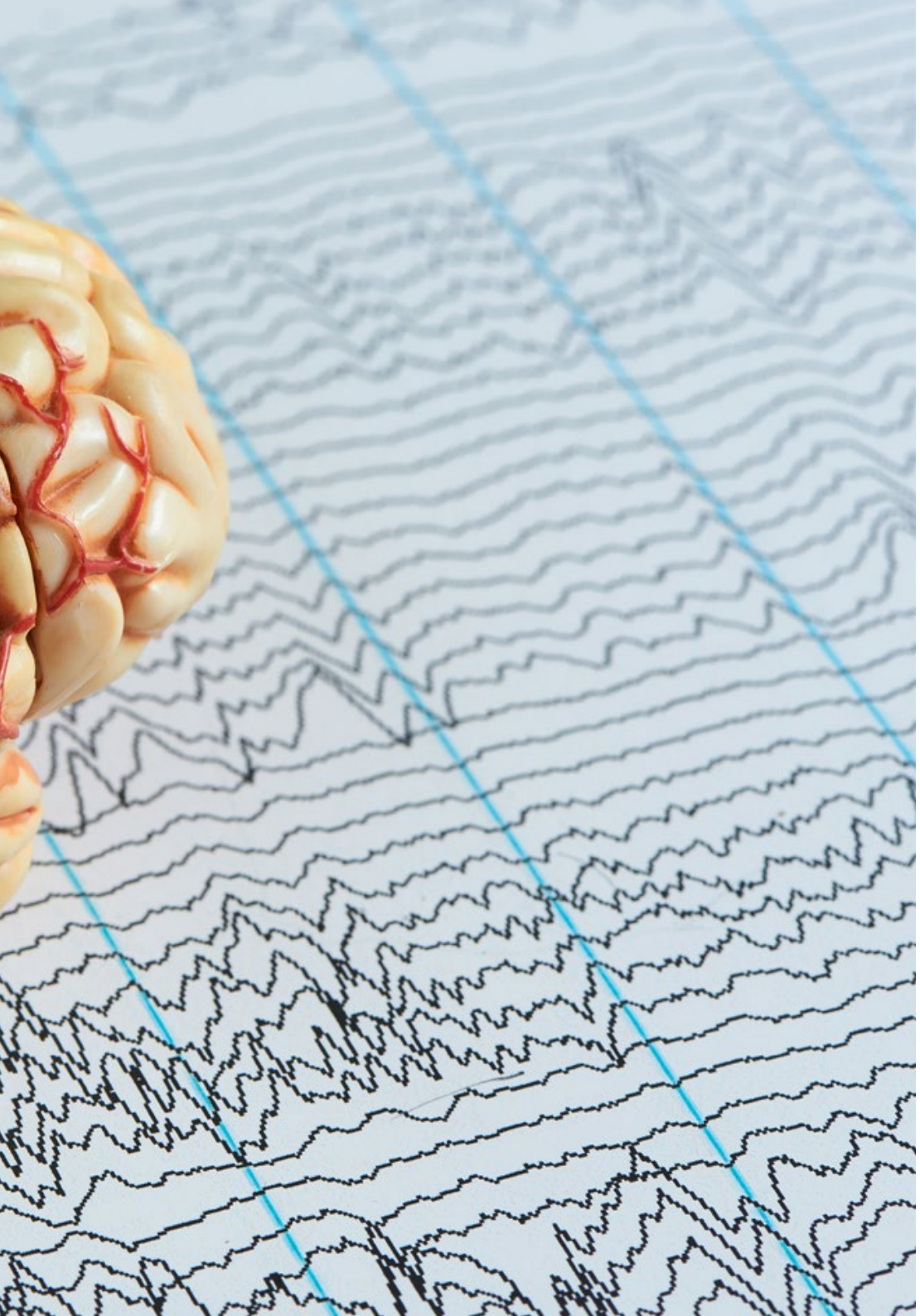
You will update your knowledge, learn from the best physical therapists and take your career to the next professional level"

General Skills

- Achieve substantial improvement in the lives of their patients, with innovative rehabilitation techniques
- Evaluate, diagnose and adequately treat different types of neurological pathologies
- Achieve the patient's reintegration into daily life, with greater independence
- Educate patients and their relatives with techniques and advice focused on the prevention of neurological conditions

Boost your career path with holistic teaching, allowing you to advance both theoretically and practically"





Specific Skills

- Update your knowledge and increase your therapeutic tools to address patient injuries and treatments
- Understand nervous system anatomy and pathophysiology
- Learn in depth about the neurological pathologies that can be treated in your practice
- Perform patient evaluations and offer the most appropriate techniques to advance their rehabilitation
- Achieve the readaptation of the body of the person suffering from a neurological condition
- Locate patient pain points and apply the most appropriate therapies

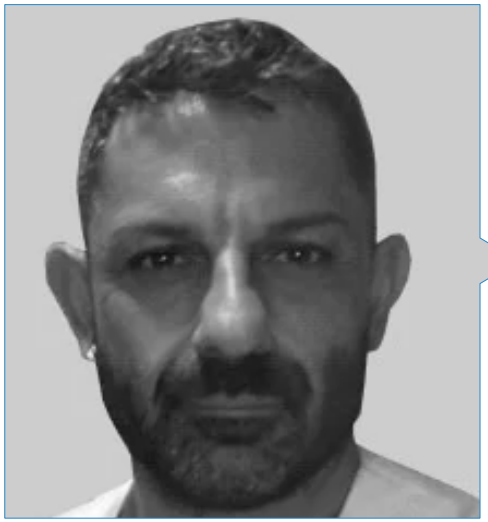
05

Course Management

For this program, TECH has chosen the best teachers in the field of Neurological Physiotherapy. All of them have specialized knowledge in degenerative brain diseases thanks to their active participation in first level therapeutic centers. From their daily professional experiences, they have developed an excellent syllabus that includes the most updated skills to apply assessment techniques, implement recovery protocols with innovative equipment and facilitate a better quality of life for those suffering from this kind of disorders.

The best teachers in the field of Neurological Physiotherapy integrate this innovative program that you will be able to access from TECH's 100% online and interactive learning platform"

Management



Mr. Pérez Redondo, José María

- Physiotherapist in Hospital in San Carlos Clinical Hospital
- Supervisor in the area of Rehabilitation at the Hospital de la Fuenfría
- Supervisor in the Rehabilitation area at the Fuenlabrada Hospital
- Supervisor in the area of Rehabilitation at the Puerta de Hierro University Hospital
- Stroke Committee at Hospital Universitario Puerta de Hierro- Majadahonda
- Breast Tumor Committee at the University Hospital of Fuenlabrada
- Founding partner of the physiotherapy office Pérez y Silveria Fisioterapeutas
- Associate teacher at the Complutense University of Madrid
- Specialist in Neurology and Neurosurgery in Acute and Critical Patients
- Degree in Physiotherapy from the European University of Madrid
- Master's Degree in Advanced Manual Therapy at the Complutense University of Madrid
- Diploma in Physiotherapy from the School of Physiotherapy, Podiatry and Nursing at the Complutense University of Madrid

Professors

Dr. Rodríguez López, Carlos

- Physiotherapist Specializing in Neurorehabilitation
- CEO of Mbody
- Co-founder of Sinapse Neurology
- Advisor to multidisciplinary teams in acquired brain injury at Kurhus in Denmark
- PhD in Specialization in the Mechanical Influence of the Peripheral Nerve in Brain Injury by the University of A Coruña
- Degree in Physiotherapy from the University of A Coruña
- Master's Degree in Management and Research in Dependency
- Expert in Neurological Physiotherapy by the University of A Coruña

Mr. Almirón Taborga, Marcos

- Physiotherapist specializing in Neurorehabilitation
- Coordinator of Integral Treatment in Sinapse Cantabria
- Head of Development at Mbody
- Teacher in the Degree in Physiotherapy in the University Schools Gimbernat Cantabria
- Graduate in Physiotherapy at the University School of Physiotherapy Gimbernat
- Posgraduate Certificate in Physiotherapy Gimbernat University School of Physiotherapy - Cantabria
- Master in Advances in Neurorehabilitation at the University School of Physiotherapy Gimbernat - Cantabria
- Neurophysiotherapy Section of the SEN (Spanish Society of Neurology) and the Neurophysiotherapy Section of the SEN (Spanish Society of Neurology)

Ms. Jiménez Cubo, Alba

- Physiotherapist Specialist in Neurorehabilitation
- Physiotherapist in Neurorehabilitation at the Step by Step Foundation in Hospitalet de Llobregat
- Physiotherapist in Neurorehabilitation at Sinapse Functional Recovery Torrelavega
- Education and Research in MBodycr
- Direction of Final Degree Works in Gimbernat University Schools Torrelavega, España
- Graduate in Physiotherapy at the University School of Physiotherapy Gimbernat
- Master's Degree in Neurological Stimulation from the University of Vic
- Official Master's Degree in Nervous System Sciences Neurorehabilitation by the University Rovira i Virgili
- Quantitative Sensory Testing-training by the Heidelberg University
- Explain Pain Course by Noi. UK
- Functional Therapeutic Movement with Ben Cormack at the Centro Inspira
- Member of the Catalan-Balearic Society of Physiotherapy (SCBF) and the Catalan Society of Neurology (SCN)

Ms. Sánchez Palomares, Raquel

- Physiotherapist Specializing in Neurology
- Director and Physiotherapist at Neurofis Rehabilitation Center
- Physiotherapist at ENCEFIS
- Bobath Technique Instructor
- Postgraduate Certificate in Physiotherapy from Comillas Pontifical University

Ms. Hermida Rama, Josefa

- Physiotherapist of the Rehabilitation Service at the Hospital Clínico San Carlos
- Associate teacher of clinical internships at the Faculty of Nursing, Physiotherapy and Podiatry
- Graduate in Physiotherapy from the Faculty of Nursing, Physiotherapy and Podiatry at the UCM
- Expert in Neurological Physical Therapy. University School of Nursing, Physiotherapy and Podiatry by UCM
- Advanced Basic Course of Study for the Functional Recovery of the Arm and Hand of Adult Neurological Patients by the Bobath Concept

Ms. Teruel Hernández, Esther

- Physiotherapist Specializing in Neurological
- Physiotherapist at the Specialized Therapeutic Center for Alzheimer's and other Dementias
- Grade in Physiotherapy from the University of Murcia
- Master's Degree in neurological physiotherapy of children and adults at the University of Murcia
- Postgraduate Diploma in Non-invasive Neuromodulation at NESA

Ms. Casanueva Pérez, Carolina

- Physiotherapist in the Neonatology and Pediatrics Unit in Hospitalization and physiotherapist in the pediatric area at the San Carlos Clinical
- Co-author of Physiotherapy protocols at the Hospital Clínico San Carlos
- Neurological Physiotherapist in Center for the Disabled
- Physiotherapist by UCM
- CO in Osteopathy by EOM
- Postgraduate Diploma in Sports Physiotherapy by the UCM
- Postgraduate Diploma in Advanced Manual Therapy by the UCM
- Postgraduate Diploma in Neurological Physiotherapy by the UCM

Ms. González Villarejo, Lara

- Director of Astra Neurotherapy
- Physiotherapist in Crene
- Professor at the Francisco de Vitoria University
- Postgraduate Certificate in Physiotherapy by the UAH

Mr. Navarro Quirós, Javier

- Private Physiotherapist Specialist in Neurology
- Physiotherapist in MEB-Habilitation
- Leisure and Free Time Monitor at Natuaventura
- Physiotherapist at Premium Rehabilitation Medical Center in Madrid
- Physiotherapist at Ecrin Terapias
- Degree in Physiotherapy from the European University of Madrid
- Degree in Physical Activity and Sport Sciences from the European University of Madrid
- Master's Degree in Neurological Physiotherapy in Adult Patients from the European University of Madrid
- Osteopathy at the Madrid School of Osteopathy

06

Educational Plan

Throughout the syllabus, the physiotherapist will delve into the most important neurological pathologies, including modules dedicated to neurodegenerative diseases, multiple sclerosis, Huntington's disease, Alzheimer's disease and tumors of the nervous system. All of this under an eminently practical perspective, including numerous real clinical cases so that the contextualization and subsequent introduction in a physiotherapy clinic is much more efficient.

The theoretical contents of this syllabus have been designed based on the latest scientific and technological advances in the physiotherapeutic field"

Module 1. Introduction to Neurodegenerative Diseases

1.1 Introducción
- 1.1.1. Definition
- 1.1.2. Classification
- 1.1.3. Epidemiology

1.2. Clinical/Symptoms
- 1.2.1. Symptoms
- 1.2.2. Signs

1.3. Diagnostic Imaging
- 1.3.1. Structural
- 1.3.2. Functional Criteria

1.4. Neurological Assessment Scales

1.5. Neurological Examination
- 1.5.1. Cranial Nerves, Pathological Reflexes
- 1.5.2. Tone, Sensitivity, Osteotendinous Reflexes
- 1.5.3. Manipulation, Coordination, Balance and Gait

1.6. Digital Physiotherapy and Reporting
- 1.6.1. Telephysiotherapy
- 1.6.2. Scheduled Consultation Via ICT
- 1.6.3. Writing a Physiotherapy Report
- 1.6.4. Interpretation of Medical Information

1.7. Multidisciplinary team
- 1.7.1. Doctor
- 1.7.2. Occupational Therapist
- 1.7.3. Speech therapist
- 1.7.4. Neuropsychologist
- 1.7.5. Orthopedic Technician

1.8. Physiotherapy Approach
- 1.8.1. Movement Facilitation Techniques
- 1.8.2. Neurodynamics
- 1.8.3. Hydrotherapy
- 1.8.4. Therapeutic Exercise
- 1.8.5. Robotics and Virtual Reality

1.9. Patient Complications
- 1.9.1. Pain
- 1.9.2. Cardio-Respiratory System
- 1.9.3. Musculoskeletal Complications

1.10. Patient, Caregiver and Family Information and Counseling

Module 2. Parkinson's Disease and Other Related Neurodegenerative Diseases (Progressive Supranuclear Palsy, Corticobasal Degeneration, Multiple Systemic Atrophy)

2.1. Introduction
- 2.1.1. Anatomy
- 2.1.2. Physiology
- 2.1.3. Classification

2.2. Epidemiology

2.3. Etiology
- 2.3.1. Transmission Mode
- 2.3.2. Frequency (F)
- 2.3.3. Starting Age

2.4. Evolution

2.5. Prognostic Factors

2.6. Evaluation/Diagnosis
- 2.6.1. Clinical Manifestations
- 2.6.2. Diagnostic Imaging
- 2.6.3. Neurological Examination
- 2.6.4. Neurological Assessment Scales

2.7. Treatment
- 2.7.1. Medical-surgical Treatments
- 2.7.2. Physiotherapy
- 2.7.3. Occupational Therapy, Speech Therapy and Neuropsychology

2.8. Orthopedics
- 2.8.1. Support Products
- 2.8.2. Orthoses

2.9. Readaptation
- 2.9.1. Social Aspects/Support
- 2.9.2. Comprehensive Care for Patients, Families and Caregivers

2.10. Early Prevention and Detection

Module 3. Multiple Sclerosis

3.1. Introduction
- 3.1.1. Anatomy
- 3.1.2. Physiology
- 3.1.3. Classification

3.2. Epidemiology

3.3. Etiology
- 3.3.1. Transmission Mode
- 3.3.2. Frequency (F)
- 3.3.3. Starting Age

3.4. Evolution

3.5. Prognostic Factors

3.6. Evaluation/Diagnosis
- 3.6.1. Clinical Manifestations
- 3.6.2. Diagnostic Imaging
- 3.6.3. Neurological Examination
- 3.6.4. Neurological Assessment Scales

3.7. Treatment
- 3.7.1. Medical-surgical Treatments
- 3.7.2. Physiotherapy
- 3.7.3. Occupational Therapy, Speech Therapy and Neuropsychology

3.8. Orthopedics
- 3.8.1. Support Products
- 3.8.2. Orthoses

3.9. Readaptation
- 3.9.1. Social Aspects/Support
- 3.9.2. Comprehensive Care for Patients, Families and Caregivers

3.10. Early Prevention and Detection

Module 4. Amyotrophic Lateral Sclerosis

4.1. Introduction
- 4.1.1. Anatomy
- 4.1.2. Physiology
- 4.1.3. Classification

4.2. Epidemiology

4.3. Etiology
- 4.3.1. Transmission Mode
- 4.3.2. Frequency (F)
- 4.3.3. Starting Age

4.4. Evolution

4.5. Prognostic Factors

4.6. Evaluation/Diagnosis
- 4.6.1. Clinical Manifestations
- 4.6.2. Diagnostic Imaging
- 4.6.3 Neurological Examination
- 4.6.4. Neurological Assessment Scales

4.7. Treatment
- 4.7.1. Medical-surgical Treatments
- 4.7.2. Physiotherapy
- 4.7.3. Occupational Therapy, Speech Therapy and Neuropsychology

4.8. Orthopedics
- 4.8.1. Support Products
- 4.8.2. Orthoses

4.9. Readaptation
- 4.9.1. Social Aspects/Support
- 4.9.2. Comprehensive Care for Patients, Families and Caregivers

4.10. Early Prevention and Detection

Module 5. Huntington's Disease

5.1. Introduction
- 5.1.1. Anatomy
- 5.1.2. Physiology
- 5.1.3. Classification

5.2. Epidemiology

5.3. Etiology
- 5.3.1. Transmission Mode
- 5.3.2. Frequency (F)
- 5.3.3. Starting Age

5.4. Evolution

5.5. Prognostic Factors

5.6. Evaluation/Diagnosis
- 5.6.1. Clinical Manifestations
- 5.6.2. Diagnostic Imaging
- 5.6.3. Neurological Examination
- 5.6.4. Neurological Assessment Scales

5.7. Treatment
- 5.7.1. Medical-surgical Treatments
- 5.7.2. Physiotherapy
- 5.7.3. Occupational Therapy, Speech Therapy and Neuropsychology

5.8. Orthopedics
- 5.8.1. Support Products
- 5.8.2. Orthoses

5.9. Readaptation
- 5.9.1. Social Aspects/Support
- 5.9.2. Comprehensive Care for Patients, Families and Caregivers

5.10. Early Prevention and Detection

Module 6. Neuromuscular Diseases and Polyneuropathies

6.1. Introduction
- 6.1.1. Anatomy
- 6.1.2. Physiology
- 6.1.3. Classification

6.2. Epidemiology

6.3. Etiology
- 6.3.1. Transmission Mode
- 6.3.2. Frequency (F)
- 6.3.3. Starting Age

6.4. Evolution

6.5. Prognostic Factors

6.6. Evaluation/Diagnosis
- 6.6.1. Clinical Manifestations
- 6.6.2. Diagnostic Imaging
- 6.6.3. Neurological Examination
- 6.6.4. Neurological Assessment Scales

6.7. Treatment
- 6.7.1. Medical-surgical Treatments
- 6.7.2. Physiotherapy
- 6.7.3. Occupational Therapy, Speech Therapy and Neuropsychology

6.8. Orthopedics
- 6.8.1. Support Products
- 6.8.2. Orthoses

6.9. Readaptation
- 6.9.1. Social Aspects/Support
- 6.9.2. Comprehensive Care for Patients, Families and Caregivers

6.10. Early Prevention and Detection

Module 7. Alzheimer's Disease and other Neurodegenerative Dementias: Frontotemporal Dementia, Lewy Body Dementia, Vascular Dementia

7.1. Introduction
- 7.1.1. Anatomy
- 7.1.2. Physiology
- 7.1.3. Classification

7.2. Epidemiology

7.3. Etiology
- 7.3.1. Transmission Mode
- 7.3.2. Frequency (F)
- 7.3.3. Starting Age

7.4. Evolution

7.5. Prognostic Factors

7.6. Evaluation/Diagnosis
- 7.6.1. Clinical Manifestations
- 7.6.2. Diagnostic Imaging
- 7.6.3. Neurological Examination
- 7.6.4. Neurological Assessment Scales

7.7. Treatment
- 7.7.1. Medical-surgical Treatments
- 7.7.2. Physiotherapy
- 7.7.3. Occupational Therapy, Speech Therapy and Neuropsychology

7.8. Orthopedics
- 7.8.1. Support Products
- 7.8.2. Orthoses

7.9. Readaptation
- 7.9.1. Social Aspects/Support
- 7.9.2. Comprehensive Care for Patients, Families and Caregivers

7.10. Early Prevention and Detection

Module 8. Cerebellar Degenerative Diseases: Hereditary Ataxias: Friedreich's Ataxia and Machado-Joseph Ataxia

8.1. Introduction
- 8.1.1. Anatomy
- 8.1.2. Physiology
- 8.1.3. Classification

8.2. Epidemiology

8.3. Etiology
- 8.3.1. Transmission Mode
- 8.3.2. Frequency (F)
- 8.3.3. Starting Age

8.4. Evolution

8.5. Prognostic Factors

8.6. Evaluation/Diagnosis
- 8.6.1. Clinical Manifestations
- 8.6.2. Diagnostic Imaging
- 8.6.3. Neurological Examination
- 8.6.4. Neurological Assessment Scales

8.7. Treatment
- 8.7.1. Medical-surgical Treatments
- 8.7.2. Physiotherapy
- 8.7.3. Occupational Therapy, Speech Therapy and Neuropsychology

8.8. Orthopedics
- 8.8.1. Support Products
- 8.8.2. Orthoses

8.9. Readaptation
- 8.9.1. Social Aspects/Support
- 8.9.2. Comprehensive Care for Patients, Families and Caregivers

8.10. Early Prevention and Detection

Module 9. Neurodegenerative Diseases in Childhood

9.1. Introduction
- 9.1.1. Classification
- 9.1.2. Epidemiology

9.2. Neuro.development
- 9.2.1. Emergencies
- 9.2.2. Infant

9.3. Early Prevention and Detection
9.4. White Matter Diseases
9.5. Gray Matter Diseases
9.6. Other Progressive Neurological Diseases
9.7. Assessment
- 9.7.1. Clinical Manifestations
- 9.7.2. Neurological Examination

9.8. Physiotherapeutic Treatments
- 9.8.1. Physiotherapeutic Interventions
- 9.8.2. Support Products

9.9. Treatment
- 9.9.1. Doctor
- 9.9.2. Occupational Therapy, Speech Therapy and Neuropsychology

9.10. Readaptation
- 9.10.1. Social Aspects
- 9.10.2. Family Care

Module 10. Neoplasms or Nervous System Tumors

10.1. Introduction
- 10.1.1. Anatomy
- 10.1.2. Physiology
- 10.1.3. Classification

10.2. Epidemiology
10.3. Etiology
- 10.3.1. Transmission Mode
- 10.3.2. Frequency (F)
- 10.3.3. Starting Age

10.4. Evolution
10.5. Prognostic Factors
10.6. Evaluation/Diagnosis
- 10.6.1. Clinical Manifestations
- 10.6.2. Diagnostic Imaging
- 10.6.3. Neurological Examination
- 10.6.4. Neurological Assessment Scales

10.7. Treatment
- 10.7.1. Medical-surgical Treatments
- 10.7.2. Physiotherapy
- 10.7.3. Occupational Therapy, Speech Therapy and Neuropsychology

10.8. Orthopedics
- 10.8.1. Support Products
- 10.8.2. Orthoses

10.9. Readaptation
- 10.9.1. Social Aspects/Support
- 10.9.2. Comprehensive Care for Patients, Families and Caregivers

10.10. Early Prevention and Detection

07

Clinical Internship

After passing the online education period, the program includes a practical training period in a reference clinical center. The student will have at their disposal the support of a tutor who will accompany them during the whole process, both in the preparation and in the development of the clinical practice.

The best physiotherapy centers choose TECH for its teaching and educational quality. Join a team of winners and strengthen your future as a neurological physical therapist"

The Internship Program of this neurological physiotherapy program consists of a 3-week clinical internship in a first class rehabilitation center, from Monday to Friday, with 8 consecutive hours of practical training with an assistant specialist. This internship will allow you to see real patients alongside a team of professionals of reference in the area of intensive care nursing, applying the most innovative diagnostic procedures and planning the latest generation of therapy for each pathology.

In this Internship Program proposal, of a completely practical nature, the activities are aimed at developing and perfecting the competencies necessary for the provision of Behavioral care in areas and conditions that require a high level of qualification, and are oriented towards specific training for the exercise of the activity, in an environment of safety for the patient and high professional performance.

This is a unique opportunity to learn in the best possible way, working in the professional environment chosen by the student, with a guarantee of unparalleled educational and personal quality. The student will have the opportunity to see the entire physiotherapeutic treatment process, from the diagnostic phase to the elaboration of the rehabilitation plan and its implementation.

The student will complete a minimum number of practical activities in their center of choice related to the physiotherapeutic treatment of patients with neurological conditions. This ensures that the hands-on training is complete and gives a comprehensive understanding of the entire procedure for treating patients with different types of injuries or conditions.

The practical education will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the support and guidance of teachers and other fellow students that facilitate teamwork and multidisciplinary integration as transversal competencies for the praxis of physiotherapy (learning to be and learning to relate).

The human team that will accompany you in the clinical internship is 100% involved in your personal and professional improvement"

The procedures described below will be the basis of the practical part of the training, and their implementation will be subject to the center's own availability and workload, the proposed activities being the following:

Module	Practical Activity
Assessment techniques and tests of Neurological Physiotherapy to determine to determine the extent of Degenerative Diseases	Perform neurological examinations for Parkinson's disease, progressive supranuclear palsy, corticobasal degeneration, multiple system atrophy, among others
	Master prognostic factors that determine the development of hereditary ataxias and other disorders of the cerebellum
	Analyze the evolution of patients with neoplasms or tumors of the nervous system
	Identify the clinical manifestations of neuromuscular diseases and polyneuropathies
Physical Therapy Methods and Techniques for the rehabilitation of patients with neurodegenerative diseases	Applying hydrotherapies and other rehabilitation mechanisms that stimulate coordinated mobility
	Implement digital, robotic and virtual reality physiotherapy
	Manage movement facilitation techniques and therapeutic exercises
	Develop animal-assisted therapy
Advanced management of multiple sclerosis from a neurological physiotherapy point of view	Develop the Evolution/Prognostic Factors test for diagnostic performance
	Analyze clinical manifestations for efficient early detection
Updated trends for advanced management of neurodegenerative dementias	Implement fine and gross motor exercises for patients with Lewy body dementia
	Implement neural stimulation for vascular dementias
	Develop readaptive practices for the Alzheimer's patient.

Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.

General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

1. TUTOR: During the Hybrid Professional Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

2. DURATION: The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

3. ABSENCE: If the students does not show up on the start date of the Hybrid Professional Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

4. CERTIFICATION: Professionals who pass the Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.

5. EMPLOYMENT RELATIONSHIP: the Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.

6. PRIOR EDUCATION: Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

7. DOES NOT INCLUDE: The Hybrid Professional Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

08

Where Can I Do the Clinical Internship?

TECH only selects clinical centers with the most qualified staff and the most advanced equipment. In this way, the student is guaranteed a useful practical accompaniment in which they will be assisted at all times to learn neurological physiotherapy in situ, with real cases in which to develop all the knowledge acquired.

Earn a prestigious program degree and unique clinical internships that will bring you physiotherapy renown, all in this comprehensive TECH program"

The student will be able to complete the practical part of this Hybrid Professional Master's Degree at the following centers:

ASPAYM Principado de Asturias

Country: Spain
City: Asturias

Address: Av. Roma, 4, 33011 Oviedo, Asturias

National federation dedicated to the physical and mental promotion of patients.

Related internship programs:
- Neurological Physiotherapy
Neurodegenerative Diseases

ACD Rehabilitación Oviedo

Country: Spain
City: Asturias

Address: Av. fundación príncipe de Asturias,2, bajo 33004 Asturias

Interdisciplinary rehabilitation center with a cross-disciplinary approach

Related internship programs:
- Physiotherapy in the Approach to Acquired Brain Injury
Geriatric Physiotherapy

ACD Rehabilitación Gijón

Country: Spain
City: Asturias

Address: 4º B., C. Corrida, 59, 33206 Gijón, Asturias

Interdisciplinary rehabilitation center with a cross-disciplinary approach

Related internship programs:
Geriatric Physiotherapy
- Neurological Physiotherapy in Degenerative Diseases

ACD Rehabilitación Avilés

Country: Spain
City: Asturias

Address: C. Pablo Iglesias, Nº 13, Bajo, 33402 Avilés, Asturias

Interdisciplinary rehabilitation center with a cross-disciplinary approach

Related internship programs:
Physiotherapy in the Approach to Acquired Brain Injury
Geriatric Physiotherapy

Neurovida - Multiespacio Avenidas

Country: Spain
City: Madrid

Address: Avenida de Baviera 4-6, 28028, Madrid

Care center for patients with neurodegenerative pathologies or brain damage.

Related internship programs:
- Neurological Physiotherapy in Degenerative Diseases

Neurovida - Multiespacio Hermosilla

Country: Spain
City: Madrid

Address: c/ Hermosilla 75, 28001, Madrid

Care center for patients with neurodegenerative pathologies or brain damage.

Related internship programs:
- Neurological Physiotherapy in Degenerative Diseases

Neurovida - Multiespacio Paseo de la Habana

Country: Spain
City: Madrid

Address: Paseo de la Habana, 33. Esq. C/ Crevillente, 28036, Madrid

Care center for patients with neurodegenerative pathologies or brain damage.

Related internship programs:
- Neurological Physiotherapy in Degenerative Diseases

Hospital HM Modelo

Country: Spain
City: La Coruña

Address: Rúa Virrey Osorio, 30, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Anaesthesiology and Resuscitation
- Palliative Care

Hospital Maternidad HM Belén

Country: Spain
City: La Coruña

Address: R. Filantropía, 3, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Update in Assisted Reproduction
- Hospitals and Health Services Management

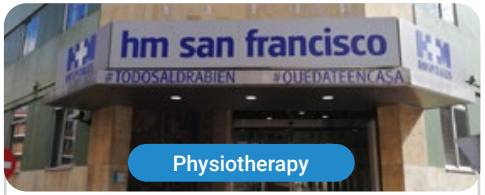
Hospital HM Rosaleda

Country: Spain
City: La Coruña

Address: Rúa de Santiago León de Caracas, 1, 15701, Santiago de Compostela, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Hospital HM San Francisco

Country: Spain
City: León

Address: C. Marqueses de San Isidro, 11, 24004, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Update in Anesthesiology and Resuscitation
- Nursing in the Traumatology Department

Hospital HM Regla

Country: Spain
City: León

Address: Calle Cardenal Landázuri, 2, 24003, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Update on Psychiatric Treatment in Minor Patients

Hospital HM Madrid

Country: Spain
City: Madrid

Address: Pl. del Conde del Valle de Súchil, 16, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Palliative Care
- Anaesthesiology and Resuscitation

Hospital HM Montepríncipe

Country: Spain
City: Madrid

Address: Av. de Montepríncipe, 25, 28660, Boadilla del Monte, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Palliative Care
- Aesthetic Medicine

Hospital HM Torrelodones

Country: Spain
City: Madrid

Address: Av. Castillo Olivares, s/n, 28250, Torrelodones, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Anaesthesiology and Resuscitation
- Palliative Care

Hospital HM Sanchinarro

Country: Spain
City: Madrid

Address: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Anaesthesiology and Resuscitation
- Palliative Care

Hospital HM Nuevo Belén

Country: Spain
City: Madrid

Address: Calle José Silva, 7, 28043, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- General and Digestive System Surgery
- Clinical Nutrition in Medicine

Hospital HM Puerta del Sur

Country: Spain
City: Madrid

Address: Av. Carlos V, 70, 28938, Móstoles, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Palliative Care
- Clinical Ophthalmology

Hospital HM Vallés

Country: Spain
City: Madrid

Address: Calle Santiago, 14, 28801, Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Gynecologic Oncology
- Clinical Ophthalmology

HM CINAC - Centro Integral de Neurociencias

Country: Spain
City: Madrid

Address: Avenida Carlos V, 70, 28938, Móstoles, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Neurological Physiotherapy

HM CINAC Barcelona

Country: Spain
City: Barcelona

Address: Avenida de Vallcarca, 151, 08023, Barcelona

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
Neurodegenerative Diseases
Neurology Nursing

Policlínico HM Arapiles

Country: Spain
City: Madrid

Address: C. de Arapiles, 8, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Anaesthesiology and Resuscitation
- Pediatric Dentistry

Policlínico HM Cruz Verde

Country: Spain
City: Madrid

Address: Plaza de la Cruz Verde, 1-3, 28807, Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Advanced Clinical Podiatry
- Optical Technologies and Clinical Optometry

Policlínico HM Distrito Telefónica

Country: Spain
City: Madrid

Address: Ronda de la Comunicación, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Optical Technologies and Clinical Optometry
- General and Digestive System Surgery

Policlínico HM Matogrande

Country: Spain
City: La Coruña

Address: R. Enrique Mariñas Romero, 32G, 2º, 15009, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
Sports Physiotherapy
Neurodegenerative Diseases

Policlínico HM Rosaleda Lalín

Country: Spain
City: Pontevedra

Address: Av. Buenos Aires, 102, 36500, Lalín, Pontevedra

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Advances in Hematology and Hemotherapy
- Neurological Physiotherapy

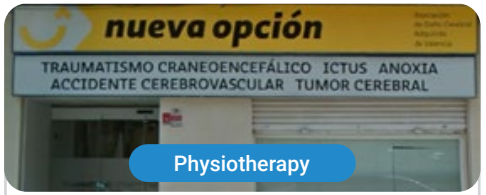
Policlínico HM Imi Toledo

Country: Spain
City: Toledo

Address: Av. de Irlanda, 21, 45005, Toledo

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:
- Electrotherapy in Rehabilitation Medicine
- Hair Transplantation



Nueva Opción

Country: Spain
City: Valencia

Address: Carrer de Greses, 21, bajo, 46020 Valencia

Association dedicated to the integral treatment of Acquired Brain Injury

Related internship programs:
Physiotherapy in the Approach to Acquired Brain Injury

Fiziord

Country
Mexico

City
Mexico City

Address: Segovia 96 Int. 4 Col. Alamos Del. Benito Juárez CDMX C.P 03400

Advanced Clinic of Physiotherapy and Sports Medicine

Related internship programs:
Sports Physiotherapy
- Neurological Physiotherapy in Degenerative Diseases

Small Hauhgthon Rehab

Country
Mexico

City
Mexico City

Address: Nicolás San Juan 1319 Col. Del Valle Sur Benito Juárez

Clinic specialized in Sports Medicine and comprehensive care in Physiotherapy

Related internship programs:
Geriatric Physiotherapy
Sports Physiotherapy

Rehamex

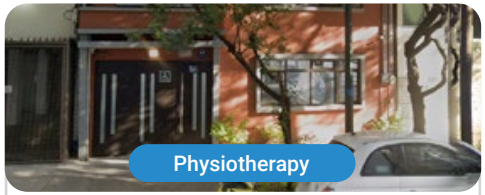
Country
Mexico

City
Mexico

Address: J.J. Fernández de Lizardi No. 5, Cto. Novelistas, Ciudad Sátelite, Naucalpan

Center specialized in Rehabilitation and physical health promotion

Related internship programs:
- Diagnosis in Physiotherapy
Medical Research



Clínica de Fisioterapia Integral Mover-T

Country
Mexico

City
Mexico City

Address: Calle Pilares 506, Colonia del Valle Centro, Benito Juárez,03100 Ciudad de México, CDMX, México

Integral Physical Therapy Clinic

Related internship programs:
- Diagnosis in Physiotherapy
-Electrotherapy in Physiotherapy

Athlos Ecatepec

Country: Mexico
City: Mexico City

Address: Plaza Ecatepec, Via Morelos 172, Local C-8, Los Laureles, Ecatepec de Morelos, Méx. Junto a la zona de Comida

Specialized physical and sports rehabilitation centers

Related internship programs:
- Diagnosis in Physiotherapy
-Electrotherapy in Physiotherapy

Athlos Naucalpan

Country: Mexico
City: Mexico City

Address: Av. Gustavo Baz Prada No. 116, Col. Bosques de Echegaray, Naucalpan de Juárez. Estado de México

Specialized physical and sports rehabilitation centers

Related internship programs:
- Diagnosis in Physiotherapy
-Electrotherapy in Physiotherapy

Athlos Iztacalco

Country: Mexico
City: Mexico City

Address: Julio García No. 14, Piso 2, San Miguel, Iztacalco, CDMX. Esq. Francisco del Paso y Troncoso

Specialized physical and sports rehabilitation centers

Related internship programs:
- Diagnosis in Physiotherapy
-Electrotherapy in Physiotherapy

Athlos Toluca

Country: Mexico
City: Mexico City

Address: Cerro de la Estrella 128 - 29, Xinantécatl, Metepec, Edo. de Méx

Specialized physical and sports rehabilitation centers

Related internship programs:
- Diagnosis in Physiotherapy
-Electrotherapy in Physiotherapy

Athlos Tiber

Country: Mexico
City: Mexico City

Address: Río Tiber No. 21, 3er Piso, Col: Cuauhtémoc, Del: Cuauhtémoc, CDMX

Specialized physical and sports rehabilitation centers

Related internship programs:
- Diagnosis in Physiotherapy
-Electrotherapy in Physiotherapy

Athlos Roma

Country: Mexico
City: Mexico City

Address: Guanajuato 178, 3er Piso. Roma Norte, Cuauhtémoc, CDMX

Specialized physical and sports rehabilitation centers

Related internship programs:
- Diagnosis in Physiotherapy
-Electrotherapy in Physiotherapy

Athlos Tlalpan

Country: Mexico
City: Mexico City

Address: Calle 3 Num 52, Coapa, Espartaco, Coyoacán, 04870, CDMX

Specialized physical and sports rehabilitation centers

Related internship programs:
- Diagnosis in Physiotherapy
-Electrotherapy in Physiotherapy

Athlos Lindavista

Country: Mexico
City: Mexico City

Address: Sullana 741, Col. Lindavista, Del. G.A.M. CDMX

Specialized physical and sports rehabilitation centers

Related internship programs:
- Diagnosis in Physiotherapy
-Electrotherapy in Physiotherapy

Avanza Rehabilitación

Country
Argentina

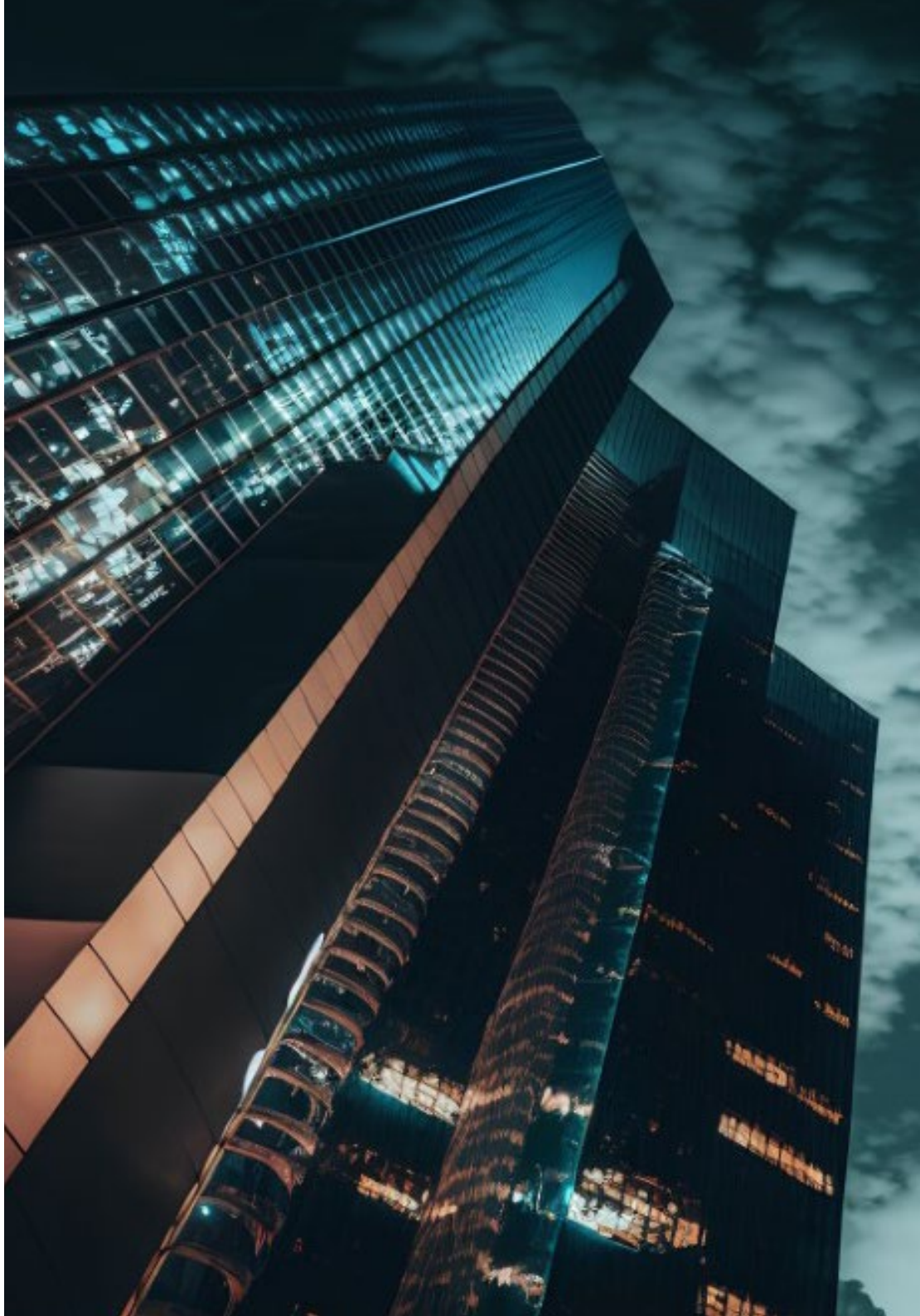
City
Tucumán

Address: Juan Gregorio de las Heras 581, T4000 San Miguel de Tucumán

Curative and preventive facility, integrating physiotherapy, occupational therapy and social work

Related internship programs:

- Physiotherapy in the Approach to Acquired Brain Injury
- Sports Injury Prevention and Readaptation



Make the most of this opportunity to surround yourself with expert professionals and learn from their work methodology"

09

Methodology

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

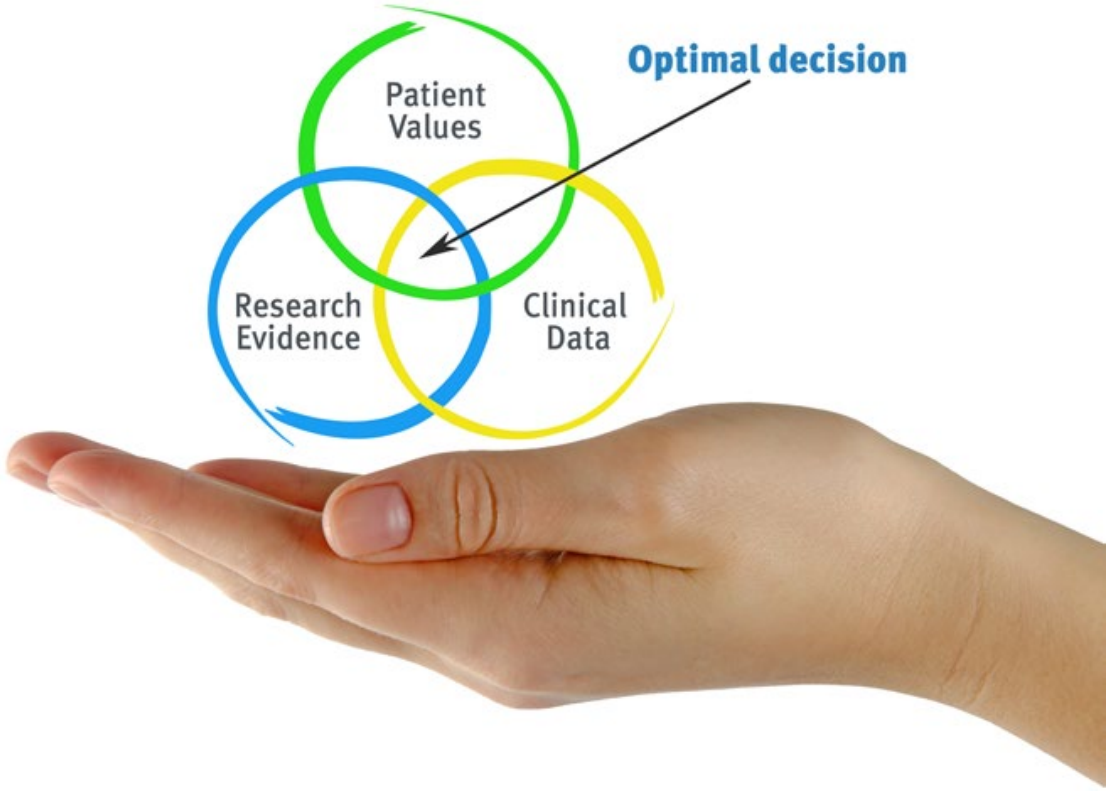
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

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. 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 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:

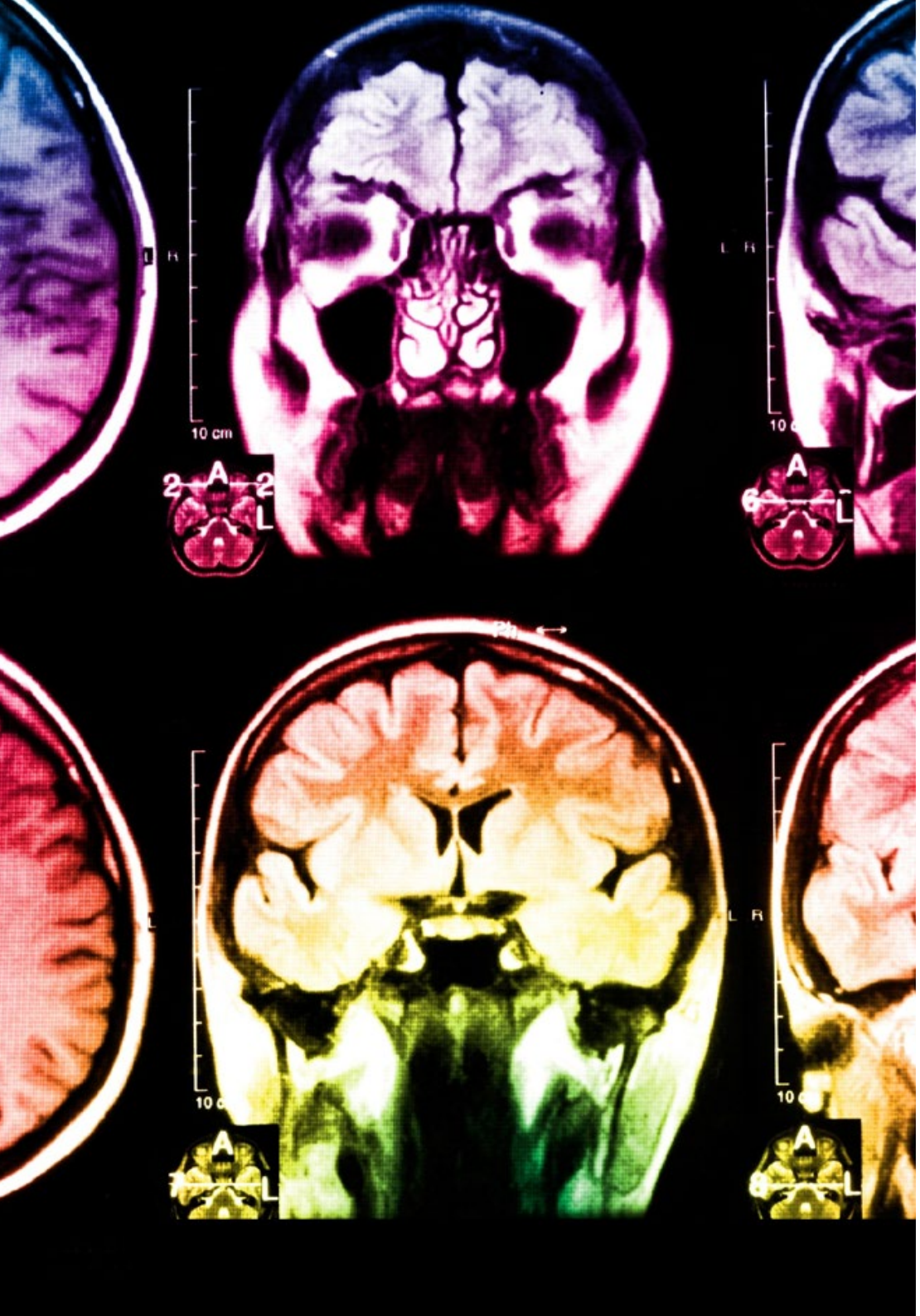
1. Physiotherapists/kinesiologists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the physiotherapist/kinesiologist to better integrate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

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

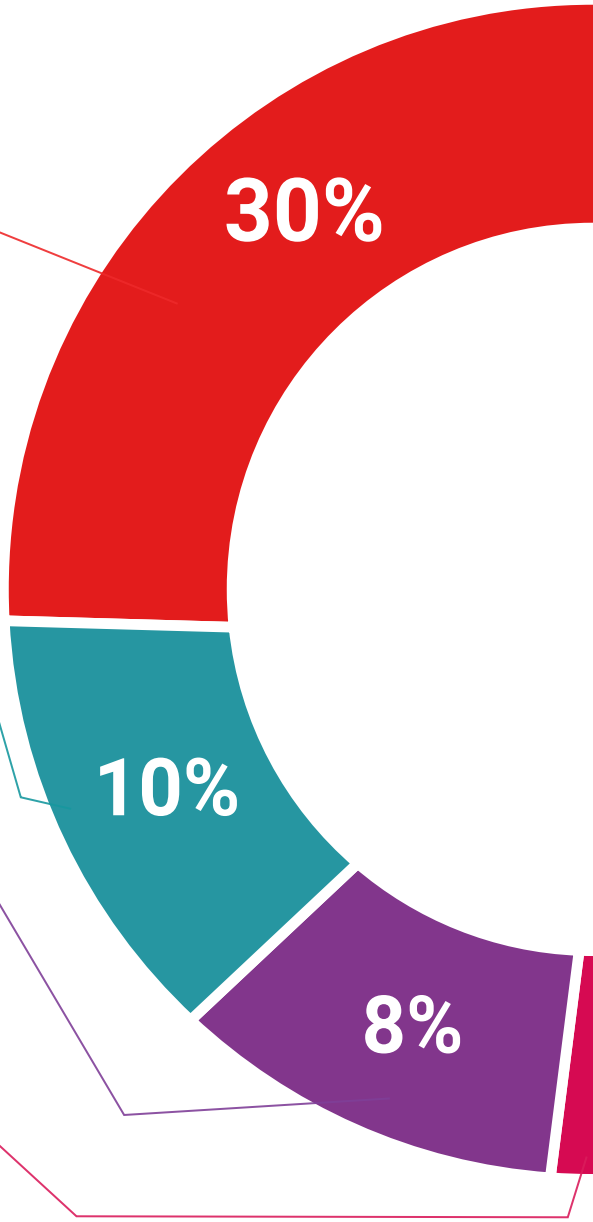
Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

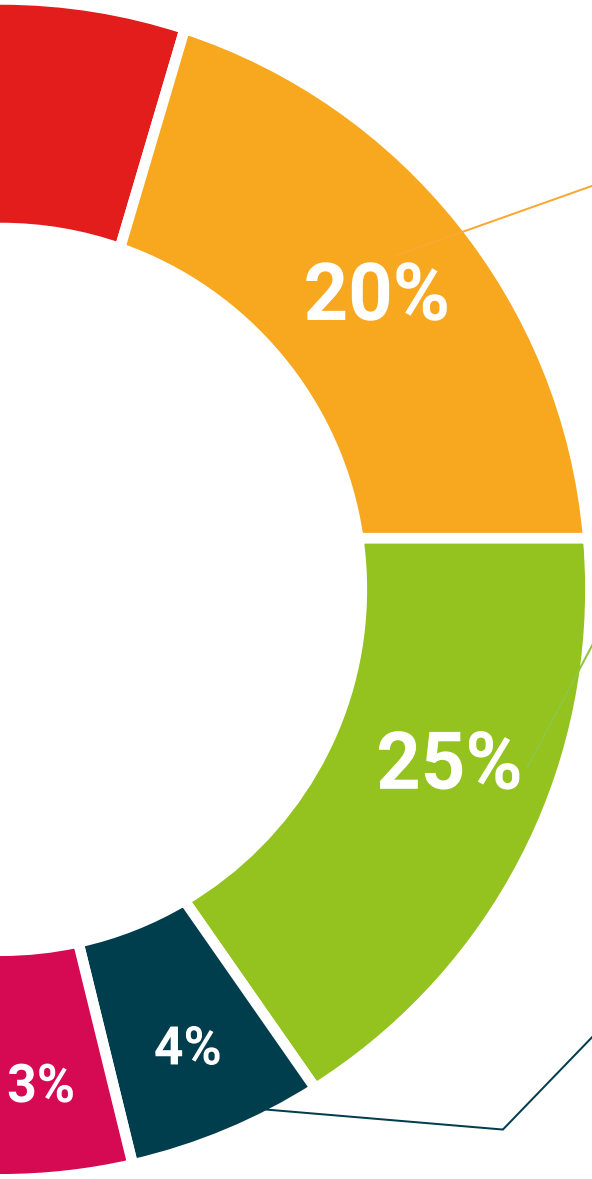
Practising Skills and Abilities

They will carry out activities to develop specific competencies and skills in each thematic area. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop in the context of the globalization that we are experiencing.

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.





Case Studies

Students will complete a selection of the best case studies chosen specifically for this situation. Cases that are presented, analyzed, and supervised by the best specialists in the world.

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".

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.

10

Certificate

The Hybrid Professional Master's Degree in Neurological Physiotherapy in Degenerative Diseases guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree diploma issued by TECH Technological University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This **Hybrid Professional Master's Degree in Neurological Physiotherapy in Degenerative Diseases** contains the most complete and up-to-date program on the professional and scientific field.

After the student has passed the assessments, they will receive their corresponding Hybrid Professional Master's Degree diploma issued by TECH Technological University via tracked delivery*.

In addition to the diploma, students will be able to obtain an academic transcript, as well as a certificate outlining the contents of the program. In order to do so, students should contact their academic advisor, who will provide them with all the necessary information.

Title: **Hybrid Professional Master's Degree in Neurological Physiotherapy in Degenerative Diseases**

Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months**

Certificate: **TECH Technological University**

Teaching Hours: **1,620 h.**

tech technological university

Awards the following

DIPLOMA

to

Mr./Ms. _____, with identification number _____

For having successfully passed and accredited the following program

HYBRID PROFESSIONAL MASTER'S DEGREE

in

Neurological Physiotherapy in Degenerative Diseases

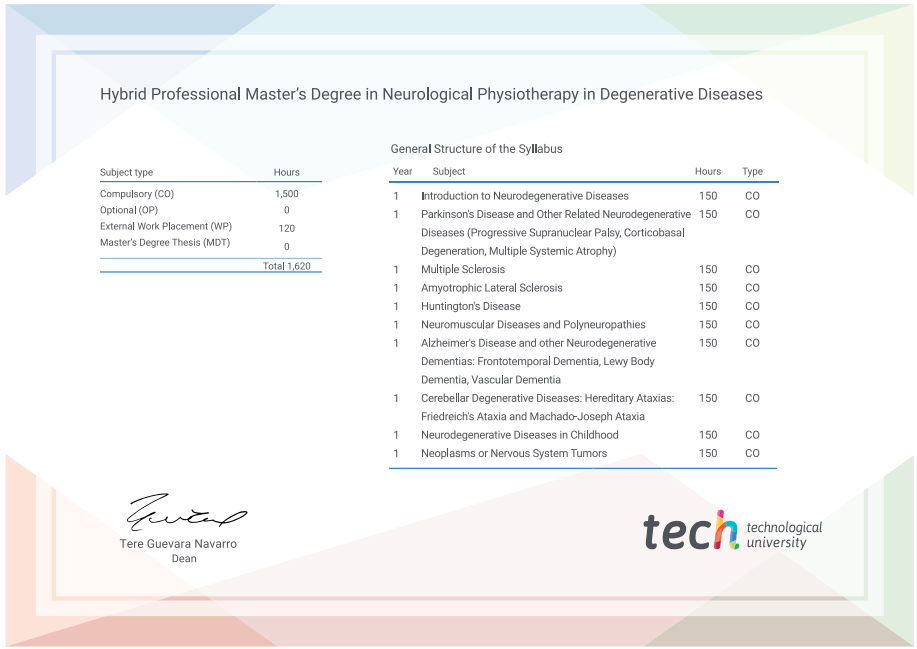
This is a qualification awarded by this University, with a duration of 1,620 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWOR023S techtitute.com/certificates



Hybrid Professional Master's Degree in Neurological Physiotherapy in Degenerative Diseases

Subject type	Hours
Compulsory (CO)	1,500
Optional (OP)	0
External Work Placement (WP)	120
Master's Degree Thesis (MDT)	0
	Total 1,620

General Structure of the Syllabus

Year	Subject	Hours	Type
1	Introduction to Neurodegenerative Diseases	150	CO
1	Parkinson's Disease and Other Related Neurodegenerative Diseases (Progressive Supranuclear Palsy, Corticobasal Degeneration, Multiple Systemic Atrophy)	150	CO
1	Multiple Sclerosis	150	CO
1	Amyotrophic Lateral Sclerosis	150	CO
1	Huntington's Disease	150	CO
1	Neuromuscular Diseases and Polyneuropathies	150	CO
1	Alzheimer's Disease and other Neurodegenerative Dementias: Frontotemporal Dementia, Lewy Body Dementia, Vascular Dementia	150	CO
1	Cerebellar Degenerative Diseases: Hereditary Ataxias: Friedreich's Ataxia and Machado-Joseph Ataxia	150	CO
1	Neurodegenerative Diseases in Childhood	150	CO
1	Neoplasms or Nervous System Tumors	150	CO

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*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.

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Hybrid Professional Master's Degree

Neurological Physiotherapy in Degenerative Diseases

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Duration: **12 months**
Certificate: **TECH Technological University**
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Hybrid Professional Master's Degree

Neurological Physiotherapy in Degenerative Diseases

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