



Postgraduate Certificate

Approach to Neurological Patients in the Aquatic Environment

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Global University

» Accreditation: 6 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/physiotherapy/postgraduate-certificate/approach-neurological-patients-aquatic-environment

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> 06 Certificate







Physiotherapists at the highest level must update their knowledge with educational programs such as this one, where they will find the main novelties in the field"

tech 06 | Introduction

Water is a medium that, due to its characteristics, offers the opportunity to work in a more favorable environment. Its properties suggest a very broad field of action, and there are many patients who can benefit from this work methodology. Patients describe the sensation of being able to perform elements of work that, out of the water, seem more complex to perform.

The aquatic environment offers an interesting variability in these proposals, but it is necessary to master the characteristics of the environment to know how to use it and not oversaturate and overstimulate the patient. This Postgraduate Certificate offers an extensive understanding of the key elements, delving deeply into these aspects, enabling you to successfully develop a program for Approaching Neurological Patients in the Aquatic Environment.

The instructors delivering this course are active professionals and experts in the field, who incorporate the aquatic environment into the development of their rehabilitation and prevention programs. This is why they will be able to guide, through the proposal of different clinical cases, to exemplify the aspects that provide quality work in the water.

A unique opportunity to specialize in a booming sector with this high-level education.

This **Postgraduate Certificate in Approach to Neurological Patients in the Aquatic Environment** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of practical cases presented by experts in the Approach to Neurological Patients in the Aquatic Environment
- The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- The latest advances in the Approach to Neurological Patients in the Aquatic Environment
- Practical exercises where self-assessment can be used to improve learning
- Special emphasis on innovative methodologies in Approach to the Neurological Patient in the Aquatic Environment
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection



If you want to improve your daily practice, do not hesitate to broaden your knowledge through this Postgraduate Certificate in the Approach to Neurological Patients in the Aquatic Environment"

Introduction | 07 tech



This Postgraduate Certificate is the best investment you can make when selecting a professional development program for two reasons: in addition to updating your knowledge in the Approach to Neurological Patients in the Aquatic Environment, you will earn a certificate from TECH Global University"

Its teaching staff includes professionals belonging to the field of Approach to the Neurological Patient in the Aquatic Environment, who bring to this education the experience of their work, as well as recognized specialists from prestigious reference societies and universities.

Its multimedia content, developed with the latest educational technology, will allow physiotherapists situated and contextual learning, i.e. a simulated environment that will provide immersive education programmed to prepare for real situations.

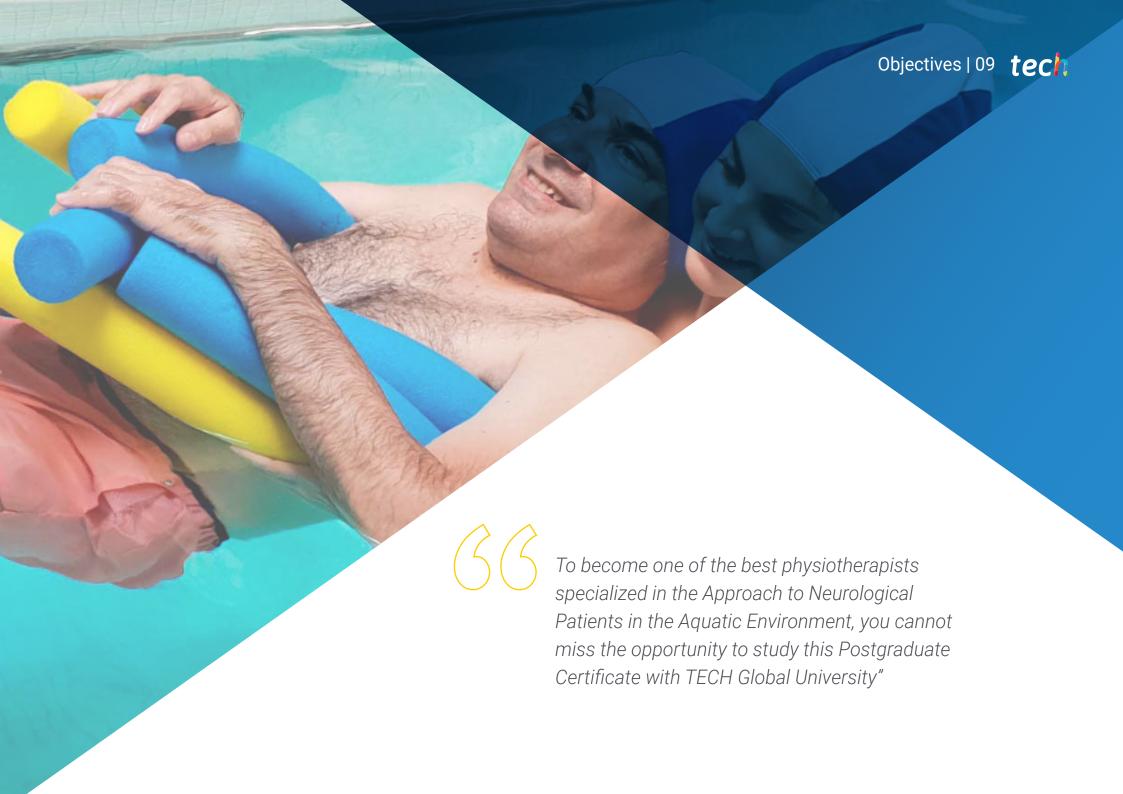
This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. To achieve this, the physiotherapist specialized in the Approach to Neurological Patients in the Aquatic Environment will have the support of an innovative system of interactive videos created by renowned experts in the field, who have extensive experience in the Approach to the Neurological Patient in the Aquatic Environment.

Use the best educational methodology to continue your specialization in the field of Approach to the Neurological Patient in the Aquatic Environment.

This 100% online Postgraduate Certificate will allow you to balance your studies with your professional work while expanding your knowledge in this field.







tech 10 | Objectives



General Objectives

- Favor the specialization of the Approach to Neurological Patients in the Aquatic Environment
- Describe the basics of working in the aquatic environment
- Establish the necessary assessment for the correct development of the programs and their subsequent re-assessment
- Design sessions of Approach to the Neurological Patient in the Aquatic Environment taking into account the characteristics of the different types of users



Update your knowledge through the program on Approach to Neurological Patients in the Aquatic Environment"

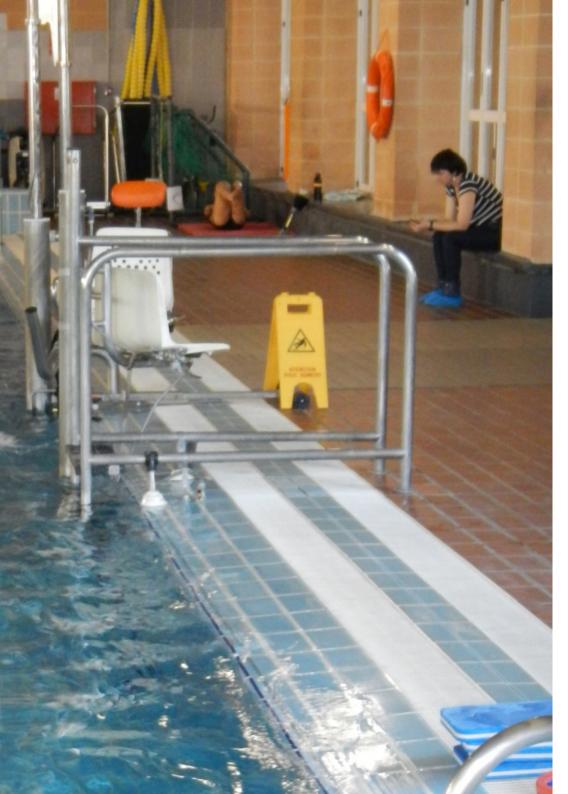






Specific Objectives

- Identify the benefits of working in water, for the neurological patient
- Detail the relevant aspects to be taken into account regarding the facility for an aquatic physiotherapy session
- Explain the main neurological pathologies that can benefit from aquatic work
- Define the integration of the different components of the ICF in the aquatic environment
- Identify work strategies used in the aquatic environment for the reeducation of gait and other activities of daily living
- Expose the competences of other professionals in working together in the aquatic environment
- Detail the key elements for the development of the aquatic Physiotherapy session with the neurological patient







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Management



Dr. Mur, Esther

- PhD. In Physical Activity and Sport Sciences from the University of Barcelona
- Official Master's Degree in Physical Activity and Sport at INEFC Barcelona, Universidad de Barcelona
- Graduate in Physical Activity and Sport Sciences from INEFC of Barcelona
- Postgraduate Certificate in Physiotherapy from the Blanquerna University School of Nursing and Physiotherapy (Ramon Llull University)
- Physiotherapist on staff at the CEM Marítim (Thalassotherapy center) of the Claror Foundation
- Coordinator of the "Aquatic Physiotherapy-UFAE" working group of the College of Physiotherapists of Catalonia
- Lecturer at the School of Health Sciences Tecnocampus Mataró-Maresme Foundation (Pompeu Fabra University)

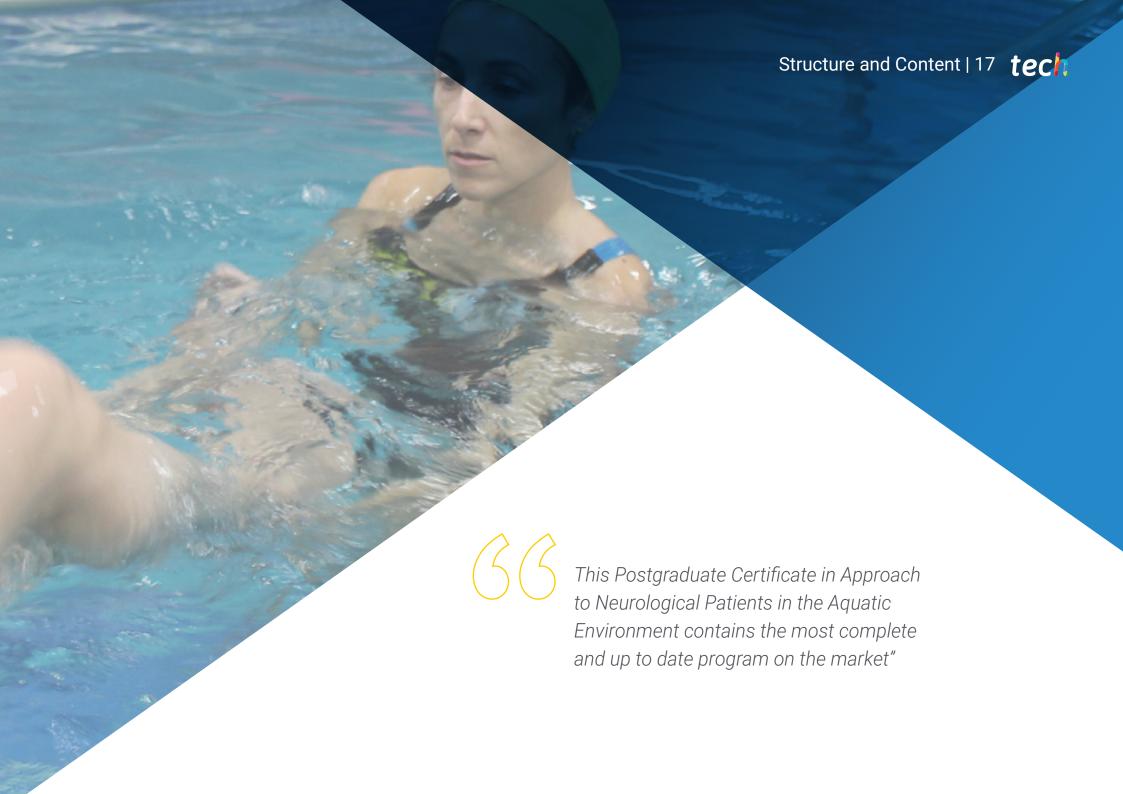
Faculty

Dr. Cirera, Eva

- Ph.D. in Anthropology and Communication, Universitat Rovira i Virgili (URV) Tarragona
- Instructor Course Original Nordic Walking. Marko Kantaneva
- Seminar "Apraxia in adult patients with left hemisphere lesion" Roberta Ghedina
- Normal Movement-Introduction to the Bobath Concept, Andrés Lloves
- Advanced Course "Kinaesthetics in health care" Rosmarie Suter and Mercedes Fernández
- Respiratory Physiotherapy in Pediatrics. SEFIP



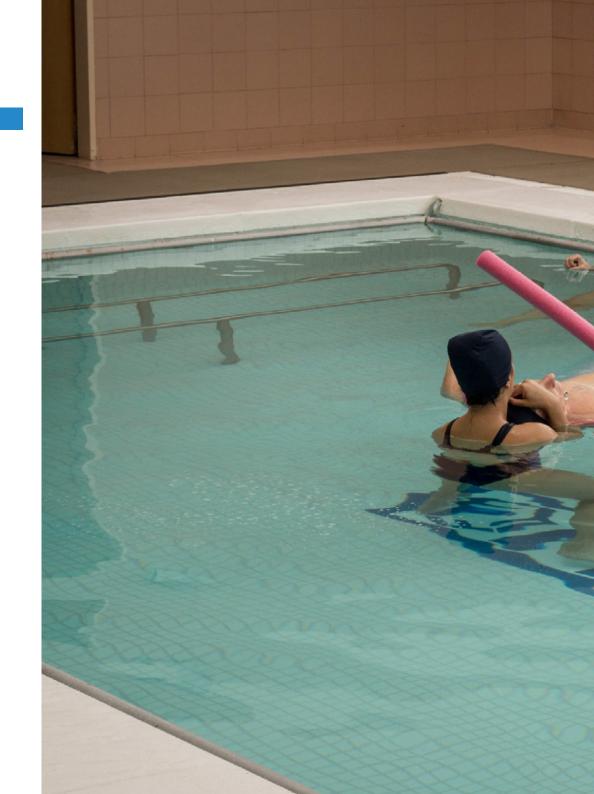




tech 18 | Structure and Content

Module 1. Approach to the Neurological Patient in the Aquatic Environment

- 1.1. Benefits of Aquatic Physiotherapy for Neurological Patients
 - 1.1.1. Advantages of the Use of the Aquatic Environment
 - 1.1.2. Patient Assessment
- 1.2. Stroke (CVA)
- 1.3. Multiple Sclerosis (EM)
- 1.4. Parkinson's Disease
- 1.5. Other Disorders
- 1.6. The ICF (International Classification of Functioning, Disability, and Health)
 - 1.6.1. Definition
 - 1.6.2. Motor Aspects
 - 1.6.3. Perceptual Aspects
 - 1.6.4. Cognitive Aspects
 - 1.6.5. Participation
- 1.7. The Interdisciplinary Team
 - 1.7.1. Risk-Benefit Joint Assessment
 - 1.7.2. Professionals Interacting in the Session
- 1.8. Gait Reeducation and Activities of Daily Living
 - 1.8.1. Phases of Gait
 - 1.8.2. Anticipatory Postural Adjustments (APA)
 - 1.8.3. Circuits
 - 1.8.4. Translation
- 1.9. Indications for the Aquatic Physiotherapy Session
 - 1.9.1. General Recommendations for Starting Aquatic Physiotherapy
- 1.10. Structure of the Session
 - 1.10.1. Work Objectives
 - 1.10.2. Parts of the Session











The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.







The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.



TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want"

tech 24 | Study Methodology

Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.



tech 26 | Study Methodology

A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"

The effectiveness of the method is justified by four fundamental achievements:

- 1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that assess real situations and the application of knowledge.
- 2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
- 3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
- **4.** Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

Study Methodology | 27 tech

The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.

You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.

As such, the best educational materials, thoroughly prepared, will be available in this program:



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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



Interactive Summaries

We present 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, international guides... In our virtual library you will have access to everything you need to complete your education.

Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting



We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

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 for future difficult decisions.

Quick Action Guides



TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical and effective way to help students progress in their learning.







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This private qualification will allow you to obtain a diploma for the **Postgraduate** Certificate in Approach to Neurological Patients in the Aquatic Environment endorsed by TECH Global University, the world's largest online university.

TECH Global University, is an official European University publicly recognized by the Government of Andorra (official bulletin). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

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

Title: Postgraduate Certificate in Approach to Neurological Patients in the Aquatic Environment

Modality: online

Duration: 6 weeks

Accreditation: 6 ECTS



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

Postgraduate Certificate in Approach to Neurological Patients in the Aquatic Environment

This is a private qualification of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



health

guarantee

technology

technology



Postgraduate Certificate

Approach to Neurological Patients in the Aquatic Environment

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

