

Postgraduate Certificate

Geriatric Assessment in Dementias





Postgraduate Certificate Geriatric Assessment in Dementias

- » Modality: Online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 6 ECTS
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/geriatric-assessment-dementias

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01

Introduction

The incidence of dementias is increasing exponentially among the geriatric population. These patients, usually polymorbid, require an accurate diagnosis from a professional with extensive knowledge of the different conditions, diagnostic methods and therapeutic and rehabilitative interventions. A wealth of knowledge that demands intense education and constant up-to-date specialization on the part of the professional.

A close-up photograph of a hand holding a small, light-colored wooden block. The hand is positioned in the upper left quadrant of the frame, with the thumb and index finger gripping the block. The background is a soft, out-of-focus light blue. The image is partially obscured by a large, dark blue diagonal shape that cuts across the upper right portion of the page.

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A complete update on all aspects of Geriatric Assessment in Dementia".

Patients with forms of dementia gradually lose more and more of their abilities. For this reason, it's necessary to provide them with more personalized and multidisciplinary care, with professionals who are able to adapt to any situation and who have the most up to date knowledge in this field. Therefore, the possibility of integrating in the same theoretical framework the vision of specialists in neurology, geriatrics, psychiatry, neuro-radiology, nuclear medicine and neuropathology, is an exceptional, complete and enriching specialization.

Basic concepts will be taught in an advancing educational structure by leading professionals, in both functional and structural imaging biomarkers as well as in neuropathology, including genetic counseling and neuropsychology. We never miss the opportunity to qualify students to be able to deal with the diagnostic process and the management of people who suffer from rapidly progressive dementia in its different forms. In addition, the student will be presented with real situations within which they need to make clinical and diagnostic decisions which are all the more complex due to their differential diagnosis and their therapeutic approach.

The theoretical contents will be reinforced by clinical-practical cases, educational videos, online tutorials, as well as support material, always based on the latest information in the field.

This program in Geriatric Assessment in Dementias is an educational project that promises to educate high-quality professionals. A program devised by professionals specialized in each specific field who encounter new challenges every day.

After completing this Postgraduate Certificate, the student will have sufficient knowledge to approach the management of people with dementia. From the first moment, they will know everything that comes with this type of disease, from its diagnosis, treatment and possible adverse effects to the importance of communication with the family members.

So don't hesitate any longer and become a true professional through the latest 100% online educational technology.

This **Postgraduate Certificate in Geriatric Assessment in Dementias** contains the most complete and up-to-date scientific program on the market. Its most notable features are:

- ♦ Practical case studies presented by experts in dementia.
- ♦ 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 information on treatment for dementia patients.
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ A special emphasis on innovative methodologies in the field of Dementia.
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection work.
- ♦ Content that is accessible from any fixed or portable device with an Internet connection.



Don't miss the opportunity to study this Postgraduate Certificate in Geriatric Assessment in Dementias with us. It's the perfect opportunity to advance your career"

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With this Postgraduate Certificate, you will be able to update your knowledge and obtain a qualification endorsed by the biggest digital university in the world, TECH Global University”

The teaching staff is made up of healthcare professionals, who bring their experience to this program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive education programmed to specialize in real situations.

This program is designed around Problem-Based Learning, whereby the specialist must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in Dementia with extensive experience.

The audiovisual content of this Postgraduate Certificate will allow you to advance quickly, incorporating the content into your clinical practice immediately.

This 100% online course will allow you to benefit from the fastest and easiest way to study on the educational market.



02 Objectives

The Postgraduate Certificate in Geriatric Assessment in Dementias is designed to facilitate the performance of the healthcare professional with the latest advances and most innovative procedures in the sector.



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A qualitative leap to the highest level in your specialization that you can study wherever and whenever you want”



General Objectives

- ♦ Gain in-depth knowledge of dementia, how to diagnose it and how to treat it.
- ♦ Identify the risk factors and the possibility of prevention.
- ♦ Enter the very versatile and extremely difficult field of dementia diseases.
- ♦ Learn how to detect the early symptoms that could be a sign of this disease.
- ♦ Explore clinical, motor, cognitive, dysautonomia and neuropsychiatric symptoms.
- ♦ Know the different clinical presentations of the disease, some of which are first seen in a psychiatric consultation or in the form of neuromuscular or movement disorders before being associated with a type of dementia.
- ♦ Learn the particularities for examining the signs and symptoms, both cognitive and behavioral, as well as understanding the therapeutic approach.
- ♦ Specialize the students in the knowledge of the different assessment tools and cognitive rehabilitation used in various dementias.
- ♦ Understand genetically conditioned dementias and their inheritance patterns.
- ♦ Know the different neuroimaging equipment and radiotracers available to evaluate the specific processes involved in neurodegenerative conditions with dementia.
- ♦ Provide knowledge on the different imaging techniques used in the evaluation of patients with cognitive impairment, both structural studies with CT or MRI, and functional studies that can be performed with MRI or Perfusion and Diffusion studies, as well as functional MRI studies.
- ♦ Know the indications and usefulness of each technique in the different causes of dementia.
- ♦ Delve into the study of Geriatric Assessment in Dementias, with emphasis on early diagnosis, as well as on imaging markers that allow assessment of progression and possible response to treatment.
- ♦ Interpret the most important lesions which characterize the different neurodegenerative pathologies.
- ♦ Know the main categories of rapidly progressive dementia syndromes, the most prevalent diseases in each one of these categories and the diagnostic algorithm to follow.
- ♦ Learn to consider important aspects when assessing older people with cognitive deterioration or dementia, taking into account both the impact of neurodegeneration as well as the clinical evolution of people suffering from this condition.



Specific Objectives

- ♦ Understand the basic diagnostic-therapeutic approach to the systemic processes which affect older people with dementia, geriatric syndromes and the approach to other comorbid pathologies in these patients.
- ♦ Obtain adequate specialization to be able to deal with the complex interaction of other common clinical situations in elderly patients with neurodegeneration.



A unique, key, and decisive educational experience to boost your professional development"

03

Course Management

The program's teaching staff includes leading experts in Dementia, who contribute their vast work experience to this education program. In addition, other experts of recognized prestige participate in its design and elaboration, completing the program in an interdisciplinary way.



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Leading professionals in the field have come together to teach you the latest advances in treating people with dementia”

Management



Dr. Manzano Palomo, María del Sagrario

- Specialist Physician of the Neurology Service in the Cognitive Pathology Unit of the Infanta Leonor University Hospital
- Coordinator of the Behavioral Neurology and Dementias Group of the Spanish Society of Neurology.
- Reviewer of the Journal of Neurology Spanish Society of Neurology
- Associate Professor of Medicine at the Complutense University of Madrid
- Doctorate in Medicine from the University of Alcalá
- Degree in Medicine from the Complutense University of Madrid
- PhD credits in Neurosciences from the Complutense University of Madrid
- Diploma of Advanced Studies from the Complutense University of Madrid
- MIR Program, Specialty of Neurology at the Hospital Clínico San Carlos
- Member of: Neurogeriatrics Group of the Spanish Society of Neurology and Rotating Committee of the Journal Alzheimer's, Reality and Dementia Research



Professors

Dr. Esteve Arrien, Ainhoa

- ♦ Specialist in Geriatrics at the Infanta Leonor University Hospital
- ♦ Coordinator of the Falls Study Group of the Spanish Society of Geriatric Medicine (SEMEG)
- ♦ Specialty in Geriatrics at the Central Hospital of the Red Cross
- ♦ Graduate in Medicine and Surgery, University of Malaga
- ♦ Master's Degree in Health Management from the International University of La Rioja
- ♦ Master's Degree in Palliative Care from the University of Valladolid
- ♦ Diploma in Research Methodology from the School of Health

04

Structure and Content

The structure of the content has been designed by the best professionals in the sector, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to teaching.



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This Postgraduate Certificate in Geriatric Assessment in Dementias contains the most complete and up-to-date scientific program on the market"

Module 1. Molecular Neuroimaging in Dementias

- 1.1. Introduction
- 1.2. Methodological Aspects
 - 1.2.1. Equipment SPECT and PET
 - 1.2.2. Molecular Processes and Radiopharmaceuticals
 - 1.2.3.1. Neuron Activity
 - 1.2.3.2. Dopaminergic Activity
 - 1.2.3.3. Amyloid Deposition
 - 1.2.3.4. Tau Deposit
 - 1.2.3.5. Neuroinflammation
 - 1.2.3. Image Analysis
 - 1.2.3.1. Visual Analysis
 - 1.2.3.2. Comparison with a Normal Database in Stereostatic Surface Projection (SSP)
 - 1.2.3.3. Voxel-Based Image Analysis
- 1.3. Neuroimaging of Alzheimer's Disease
 - 1.3.1. Mild Cognitive Impairment and Dementia
 - 1.3.2. Atypical Forms
- 1.4. Neuroimaging in Fronto-temporal Dementia
 - 1.4.1. FTD Variant in Behavior
 - 1.4.4. Primary Aphasias
 - 1.4.3. Others
- 1.5. Neuroimaging of Dementias with Parkinsonism
 - 1.5.1. Lewy Body Dementia
 - 1.5.2. Progressive Supranuclear Palsy
 - 1.5.3. Corticobasal Degeneration
- 1.6. Diagnostic Algorithm
 - 1.6.1. Diagnostic Algorithm in Alzheimer's Disease
 - 1.6.2. Diagnostic Algorithm in FTD and Dementia with Parkinsonism
- 1.7. Case Studies





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This specialization will allow you to comfortably advance in your career “

05 Methodology

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

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



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

At TECH, we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a “case”, an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician’s professional practice.

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Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method.

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

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that 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.



Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been prepared with unprecedented success in all clinical specialties regardless of surgical load. Our educational methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

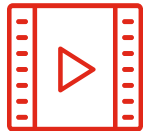
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then adapted in audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high-quality pieces in each and every one of the materials that are made available to the student.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

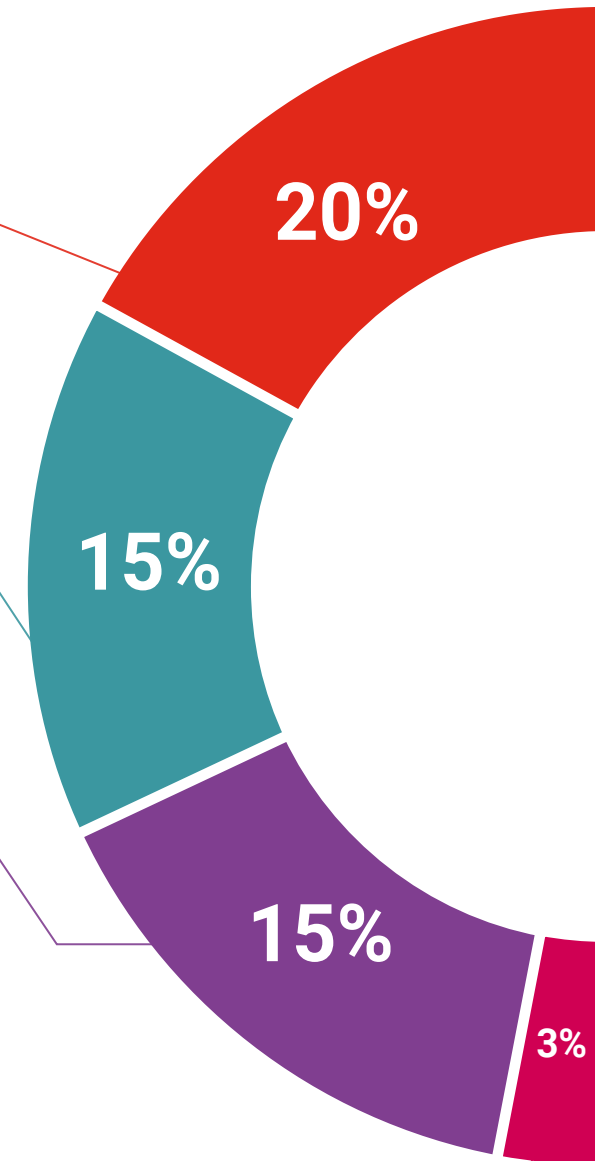
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

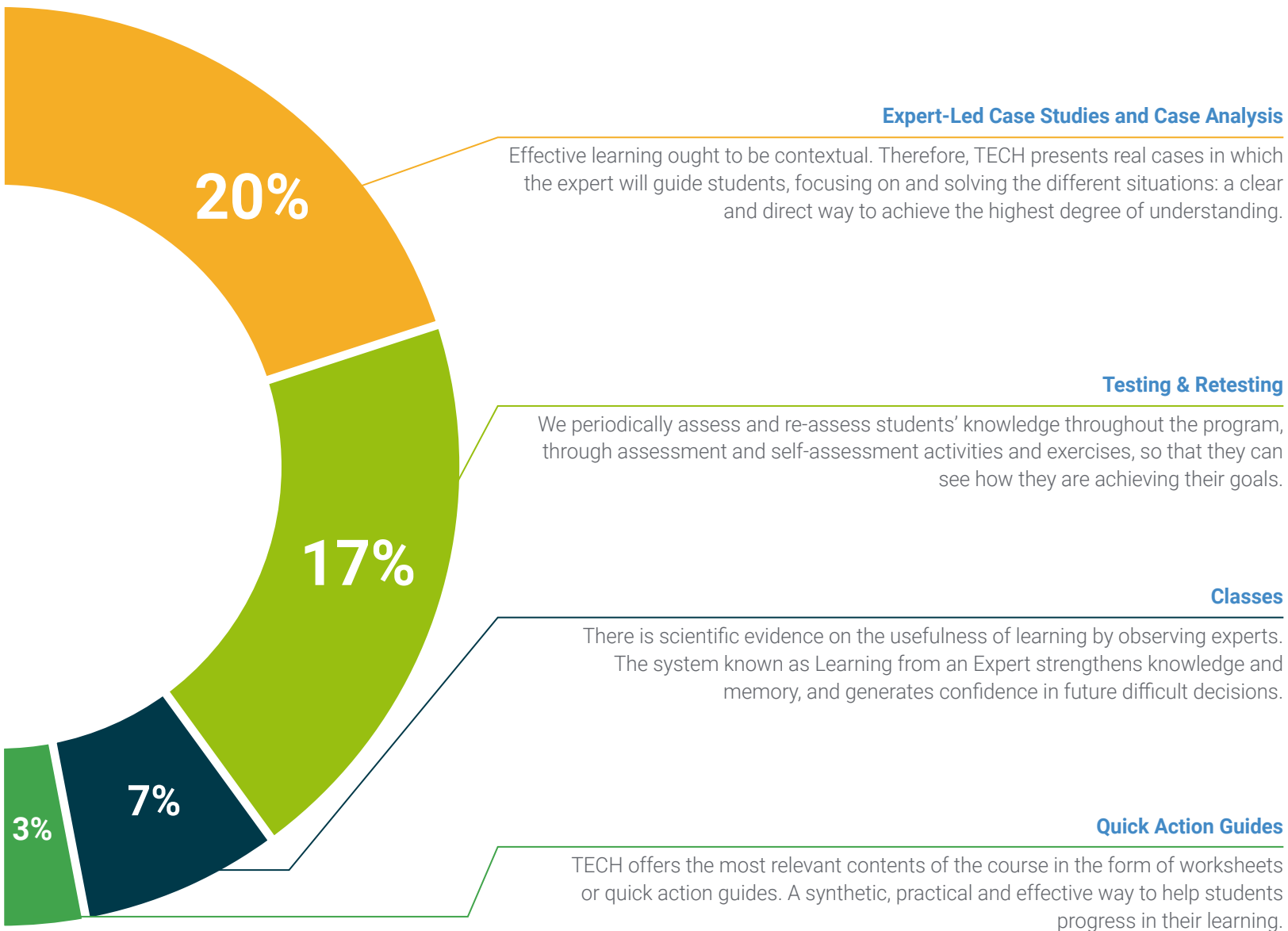
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





06 Certificate

The Postgraduate Certificate in Geriatric Assessment on Dementia guarantees, in addition to the most accurate and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This program will allow you to obtain a **Postgraduate Certificate in Geriatric Assessment in Dementias** endorsed by **TECH Global University**, the world's largest online university.

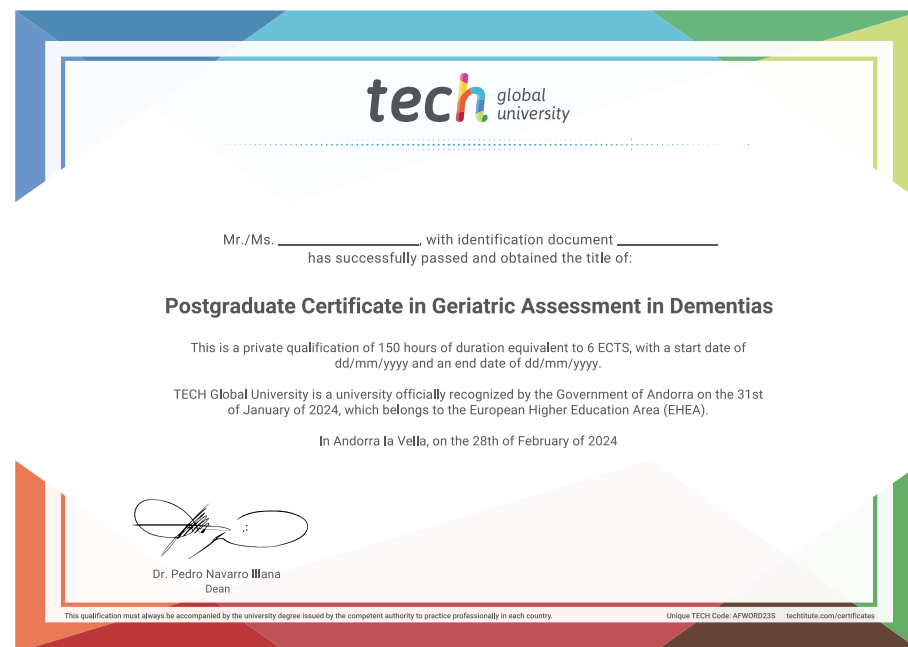
TECH Global University, is an official European University publicly recognized by the Government of Andorra (**official bulletin**). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international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

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

Title: **Postgraduate Certificate in Geriatric Assessment in Dementias**

ECTS: **6**

Official Number of Hours: **150 hours**.





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