

# Postgraduate Certificate Connectivopathies in the Geriatric Patient



## Postgraduate Certificate Connectivopathies in the Geriatric Patient

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

Website: [www.techtute.com/us/medicine/postgraduate-certificate/connectivopathies-geriatric-patient](http://www.techtute.com/us/medicine/postgraduate-certificate/connectivopathies-geriatric-patient)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 18*

05

Methodology

---

*p. 22*

06

Certificate

---

*p. 30*

# 01

# Introduction

The increase in the geriatric population has led to a higher prevalence of chronic diseases, especially connective tissue diseases, which affect connective tissue and bone metabolism. To address this need, TECH has introduced a degree focused on Connectivopathies in the Geriatric Patient. This program focuses on the characteristics of each pathology and the comprehensive management of chronic connective tissue diseases. In addition, there will be an update on pharmacological and non-pharmacological therapeutic measures for each situation presented. Furthermore, the program has a Relearning pedagogical methodology, which allows for greater knowledge retention. It also offers the flexibility to organize academic resources, as it is 100% online.







“

*Do you know how to diagnose and treat Sjögren's Syndrome in geriatric patients? This Postgraduate Certificate will provide you with all the necessary tools to achieve this”*

The Postgraduate Certificate in Connectivopathies in the Geriatric Patient is granted thanks to the current context of population aging and the increase of autoimmune diseases in the elderly. At this stage of life, the body's immune response becomes less effective and the risk of disease increases. Connectivopathies are autoimmune diseases that primarily affect connective tissue and often occur in geriatric patients. Therefore, it is essential that medical professionals are well prepared to properly diagnose and treat these diseases in the geriatric population.

That is why this is an academic program that focuses on the diagnosis and treatment of various connective tissue diseases in geriatric patients. The degree consists of ten items covering a wide range of autoimmune diseases, from systemic lupus erythematosus to scleroderma and Sjögren's syndrome. Each topic covered focuses on a specific disease, including its etiopathogenesis, epidemiology, diagnosis, clinical features and treatment.

The academic program is developed entirely online and uses the Relearning pedagogical methodology, which focuses on the integration of the student's previous knowledge and deep understanding of the material. In addition, flexibility in organizing academic resources is offered, allowing students to adapt their pace of study to their personal needs.

Definitively, the Postgraduate Certificate in Connectivopathies in the Geriatric Patient is an essential academic program for any medical professional working with geriatric patients. The degree provides an in-depth understanding of the different connectivopathies that can affect this population and how to properly diagnose and treat these diseases. With an innovative pedagogical methodology and the flexibility to organize academic resources, this course is an excellent option for medical professionals seeking to improve their skills and knowledge in this field.

This **Postgraduate Certificate in Connectivopathies in the Geriatric Patient** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The development of case studies presented by health experts focused on Connectivopathies in the Geriatric Patient
- ◆ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Its special emphasis on innovative methodologies
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*If you want to know more about scleroderma in geriatric patients: clinical differences and specific treatment. Get trained with TECH in this Postgraduate Certificate in Connectivopathies in the Geriatric Patient!"*

“

*The diagnosis of systemic lupus erythematosus in geriatric patients: how to approach it? Discover it in this Postgraduate Certificate”*

*Are you prepared to treat Connectivopathies in Geriatric Patients? Learn everything you need to know in this TECH degree.*

*Perform an effective treatment of senile systemic lupus erythematosus by enrolling in this Postgraduate Certificate.*

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

Its 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 programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. This will be done with the help of an innovative system of interactive videos made by renowned experts.



# 02 Objectives

The objective of this academic program is to offer a specialized and updated training in Connectivopathies in the Geriatric Patient. The Postgraduate Certificate is designed to deepen the knowledge of the specific characteristics of each pathology, identify its current and integral management, point out the problems and limitations of the classification criteria and update the pharmacological and non-pharmacological therapeutic measures. The ultimate goal is to train professionals capable of providing quality and efficient care to geriatric patients with bone pathologies.





“

*Do you want to specialize in Connectivopathies in the Geriatric Patient from the comfort of your home? This 100% online Postgraduate Certificate offers you the opportunity to learn with an innovative Relearning methodology”*



## General Objectives

---

- ◆ Deepen in the processes of aging, its clinical, diagnostic and prognostic implications
- ◆ Investigate the specific biological and physiological determinants of geriatric patients
- ◆ Learn more about the reasons why pathologies manifest themselves differently in geriatric patients, as well as the pharmacological characteristics that condition their treatments
- ◆ Update knowledge of the biopsychosocial determinants related to the aging process
- ◆ Promote comprehensive and holistic care in geriatric patients with rheumatic pathologies, whether measured by the immune system, bone metabolism, paraneoplastic or degenerative manifestations





## Specific objectives

---

- ◆ Deepen in the specific characteristics of each of the pathologies treated in the geriatric population
- ◆ Identify the current and comprehensive management of chronic connective tissue diseases in the geriatric population
- ◆ Point out the problems and limitations of the different current classification criteria for connective tissue diseases in geriatric patients
- ◆ Provide an update on pharmacological and non-pharmacological therapeutic measures in each of the situations that may occur in chronic connective tissue diseases



*Are you looking for cutting-edge training? This program will allow you to develop skills and abilities in an effective and practical way. Take advantage of this opportunity and make a difference in your career!"*



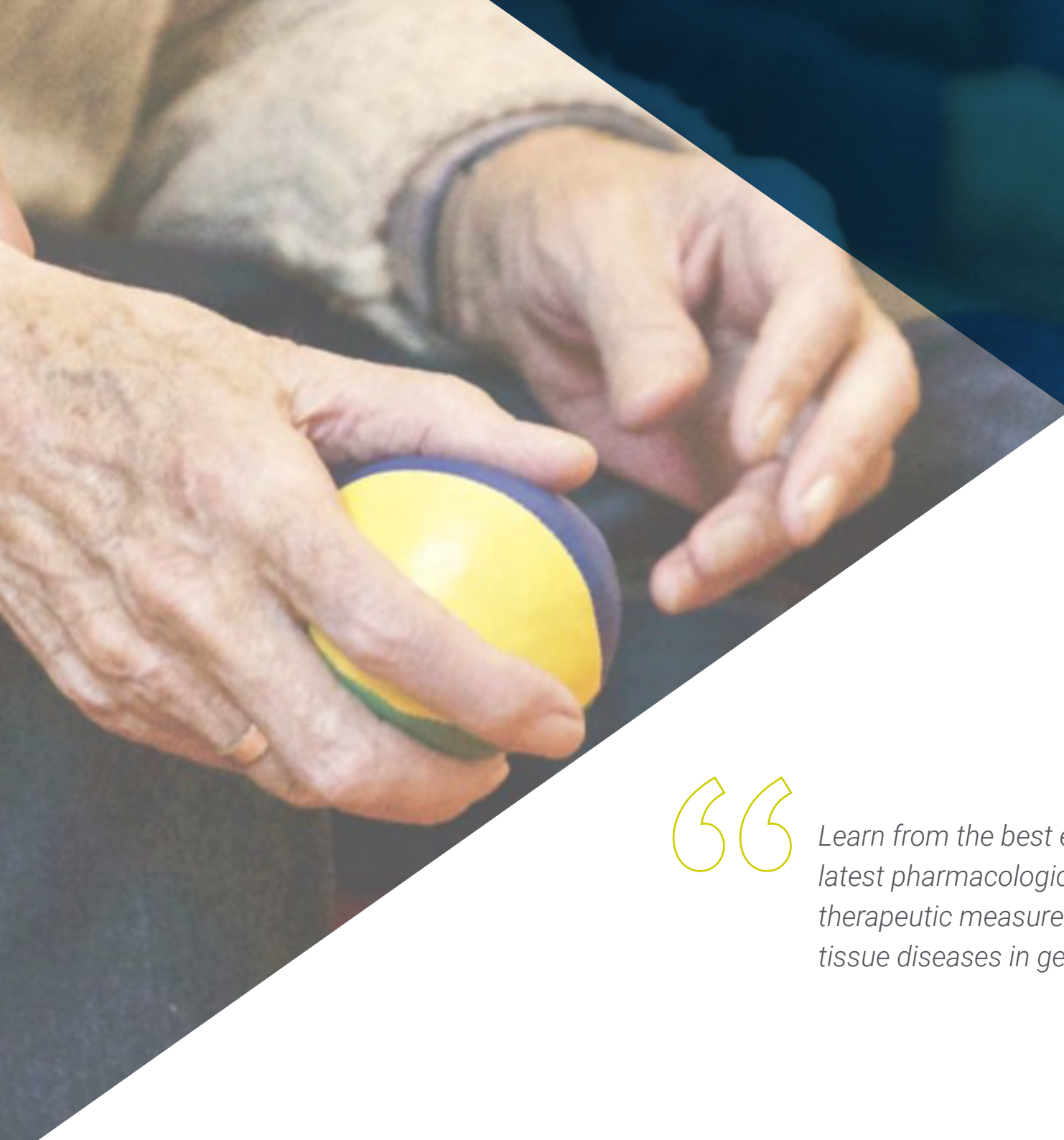
# 03

# Course Management

The degree is designed to provide an excellent education to students interested in deepening their knowledge in the field of Connectivopathies in the Geriatric Patient. To achieve this, TECH has hired a team of highly trained teachers with extensive experience in the field, who will be responsible for providing the necessary tools for students to develop their skills and knowledge in the specialty. With this Postgraduate Certificate, students will have the opportunity to acquire comprehensive and quality training, which will allow them to stand out in a field in constant growth and with great labor demand at national and international level.







“

*Learn from the best experts in the field about the latest pharmacological and non-pharmacological therapeutic measures for chronic connective tissue diseases in geriatric patients”*

## International Guest Director

Vikas Majithia, M.D. is an internationally renowned figure in the field of **Rheumatology**, recognized for his leadership and contributions in **clinical research** and **medical practice**. As such, he has devoted his career to the treatment of **inflammatory diseases** such as **Rheumatoid Arthritis**, **Psoriatic Arthritis**, **Lupus** and **Vasculitis**, and is an expert in procedures such as **Arthrocentesis** and **Joint Injections**.

In this way, he has a distinguished career in the **academic** and **medical fields**, highlighting his role as **Head of the Division of Rheumatology** at the **Mayo Clinic** in **Florida, USA**. In addition, he has served as **Director of the Division of Rheumatology** at the **University of Mississippi Medical Center**, where he has supervised. He has also worked as a **rheumatologist** at the **GV (Sonny) Montgomery VA Medical Center**, providing care to veterans for over a decade.

Likewise, his dedication to **clinical research** has led him to be the **principal investigator** on **numerous trials and studies**, contributing more than **40 peer-reviewed publications** and several **book chapters**. Indeed, his commitment to ongoing **research** keeps him at the forefront of key projects, being responsible for the implementation of **advanced clinical studies** at **Mayo Clinic**, including the **CLASSIC study** in **Axial Spondyloarthritis**, the **PICORI-funded Patient Advocates in Lupus (PALS)** study, and the **RAPROPR** study to evaluate outcomes in patients with **Rheumatoid Arthritis** among several **non-TNF biologic drugs**.

Among his most notable accomplishments, he has received multiple awards, including the prestigious **Pioneer Award in Medicine and Science**, as well as the **Research and Education Foundation Literature Award for Student Research** from the **American Society of Health-System Pharmacists**, and is considered one of **America's Top Doctors**.



## Dr. Majithia, Vikas

---

- ♦ Head of the Division of Rheumatology, Department of Medicine, Mayo Clinic, Florida, USA
- ♦ Director of the Division of Rheumatology at the University of Mississippi Medical Center
- ♦ Rheumatologist at the VA GV (Sonny) Montgomery Medical Center
- ♦ Fellowship in Rheumatology at the University of Mississippi Medical Center
- ♦ Master's Degree in Public Health from Johns Hopkins Bloomberg School of Public Health (BSPH)
- ♦ M.D. from Pandit Bhagwat Dayal Sharma Graduate Institute of Medical Sciences
- ♦ Bachelor of Medicine and Biological Sciences, Pandit Bhagwat Dayal Sharma Graduate Institute of Medical Sciences



*Thanks to TECH you will be able to learn with the best professionals in the world"*

## Management



### Dr. Garcia Martir, Alvaro

- ◆ Rheumatology Specialist at the Tajo University Hospital
- ◆ Physician specializing in Rheumatology at the 12 de Octubre University ospital
- ◆ Associate Professor of Rheumatology at the University Alfonso X, El Sabio
- ◆ Research Sufficiency by the Complutense University of Madrid
- ◆ Degree in Medicine from the Cantabria University
- ◆ Master's Degree in Rheumatic Diseases mediated by the Immune System, Rey Juan Carlos University and the Spanish Society of Rheumatology
- ◆ EFSUMB Certification: *Musculoskeletal Ultrasound level 1*
- ◆ Levels A and B of musculoskeletal ultrasound of the Spanish Society of Sports Medicine

## Professors

### Dr. Retuerto Guerrero, Miriam

- ◆ Specialist in Rheumatology at the Complex University Health Care Center of Leon
- ◆ Physician at the Defense Central Hospital Gomez Ulla
- ◆ Physician at the Doce de Octubre Hospital of Madrid
- ◆ Physician at Mostoles Hospital
- ◆ Degree in Medicine and Surgery from the Faculty of Medicine of Valladolid
- ◆ Master's Degree in Rheumatologic and Traumatologic Musculoskeletal Ultrasound of the Alcala University
- ◆ Master SER in Rheumatic Diseases mediated by the Immune System of the Rey Juan Carlos University
- ◆ Master's Degree in Applied Biostatistics in Health Sciences from the Seville University







# 04

## Structure and Content

The Postgraduate Certificate in Chronic Inflammatory Joint Pathologies focuses on the diagnosis and treatment of diseases such as systemic lupus erythematosus, antiphospholipid syndrome, scleroderma, Sjögren's syndrome and undifferentiated connective tissue disease/mixed connective tissue disease in the geriatric population. Students will learn about the etiopathogenesis, epidemiology, diagnosis and treatment of these diseases, with special attention to the peculiarities and diagnostic challenges they present in the geriatric population. All this, through a 100% online methodology and with the help of the innovative Relearning method.





“

*Learn how to identify and manage connective tissue diseases in geriatric patients in a comprehensive way thanks to this 100% online Postgraduate Certificate”*



## Module 1. Connectivopathies: Characteristics, Manifestations and Specific Care in the Geriatric Patient

- 1.1. Systemic Lupus Erythematosus: Clinical Differences and Diagnostic Challenges in Geriatric Population
  - 1.1.1. Introduction
  - 1.1.2. Etiopathogenesis and Epidemiology of SLE in the Geriatric Patient
  - 1.1.3. Diagnosis of SLE in the Geriatric Patient
  - 1.1.4. Clinical and Immunologic Features of Senile SLE
- 1.2. Treatment of Non-renal Senile Systemic Lupus Erythematosus
  - 1.2.1. Non-pharmacological methods
  - 1.2.2. Pharmacological Methods
- 1.3. Treatment of Renal Senile Systemic Lupus Erythematosus
  - 1.3.1. Non-pharmacological methods
  - 1.3.2. Pharmacological Methods
- 1.4. Antiphospholipid Syndrome (APS): Clinical Differences, Diagnostic Challenges and Treatment in Geriatric Population
  - 1.4.1. Introduction
  - 1.4.2. Etiopathogenesis and Epidemiology of FAS in the Geriatric Patient
  - 1.4.3. Diagnosis of FAS in the Geriatric Patient
  - 1.4.4. Clinical Characteristics and Peculiarities of FAS in Geriatric Population
- 1.5. Treatment of FAS in Geriatric Patients
  - 1.5.1. Non-pharmacological methods
  - 1.5.2. Pharmacological Methods
  - 1.5.3. Catastrophic PBS
- 1.6. Scleroderma: Clinical Differences and Diagnostic Challenges in Geriatric Population
  - 1.6.1. Introduction
  - 1.6.2. Etiopathogenesis and Epidemiology of Scleroderma in the Geriatric Patient
  - 1.6.3. Raynaud's Disease Peculiarities in the Geriatric Population and Differential Diagnosis
  - 1.6.4. Diagnosis and Clinical Features of Scleroderma in the Geriatric Patient
- 1.7. Scleroderma: Peculiarities of Treatment in the Geriatric Population
  - 1.7.1. Raynaud's Management
  - 1.7.2. Pharmacological Methods





- 1.8. Senile Sjögren's Syndrome: Clinical Differences and Diagnostic Challenges in Geriatric Population
  - 1.8.1. Introduction
  - 1.8.2. Etiopathogenesis and Epidemiology of Sjögren's Disease in the Geriatric Patient
  - 1.8.3. Diagnosis of Sjögren's in the Geriatric Patient, Is all Dryness Due to Sjögren's Syndrome?
  - 1.8.4. Clinical and Immunologic Features of Senile SLE
  - 1.8.5. Lymphoma and Sjögren's
- 1.9. Treatment of Sjögren's Disease in the Geriatric Population and its Peculiarities
  - 1.9.1. Glandular Manifestations
  - 1.9.2. Extraglandular Manifestations
- 1.10. Undifferentiated Connective Tissue Disease (UCD) and Mixed Connective Tissue Disease (MCTD) in the Geriatric Population
  - 1.10.1. Introduction
  - 1.10.2. Etiopathogenesis and Epidemiology of EITC and CTE
  - 1.10.3. Diagnosis and Clinical Features in the Geriatric Patient
  - 1.10.4. Treatment of EITC and CTE in the Geriatric Population

“

*During your training course you have an online platform with a wealth of new educational material available 24 hours a day”*

# 05 Methodology

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

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







“

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

## At TECH we use the Case Method

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



“

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

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

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



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

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





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

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

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

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

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





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



#### Study Material

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

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



#### Surgical Techniques and Procedures on Video

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



#### Interactive Summaries

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

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



#### Additional Reading

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





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

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



# 06 Certificate

The Postgraduate Certificate in Connectivopathies in the Geriatric Patient guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.





“

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

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

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

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

Title: **Postgraduate Certificate in Connectivopathies in the Geriatric Patient**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development languages  
virtual classroom



**Postgraduate Certificate**  
Connectivopathies in the  
Geriatric Patient

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



# Postgraduate Certificate Connectivopathies in the Geriatric Patient