

# Postgraduate Certificate

## Vascular Diagnosis and Therapy





## Postgraduate Certificate Vascular Diagnosis and Therapy

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 5 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/vascular-diagnosis-therapy](http://www.techtute.com/us/medicine/postgraduate-certificate/vascular-diagnosis-therapy)

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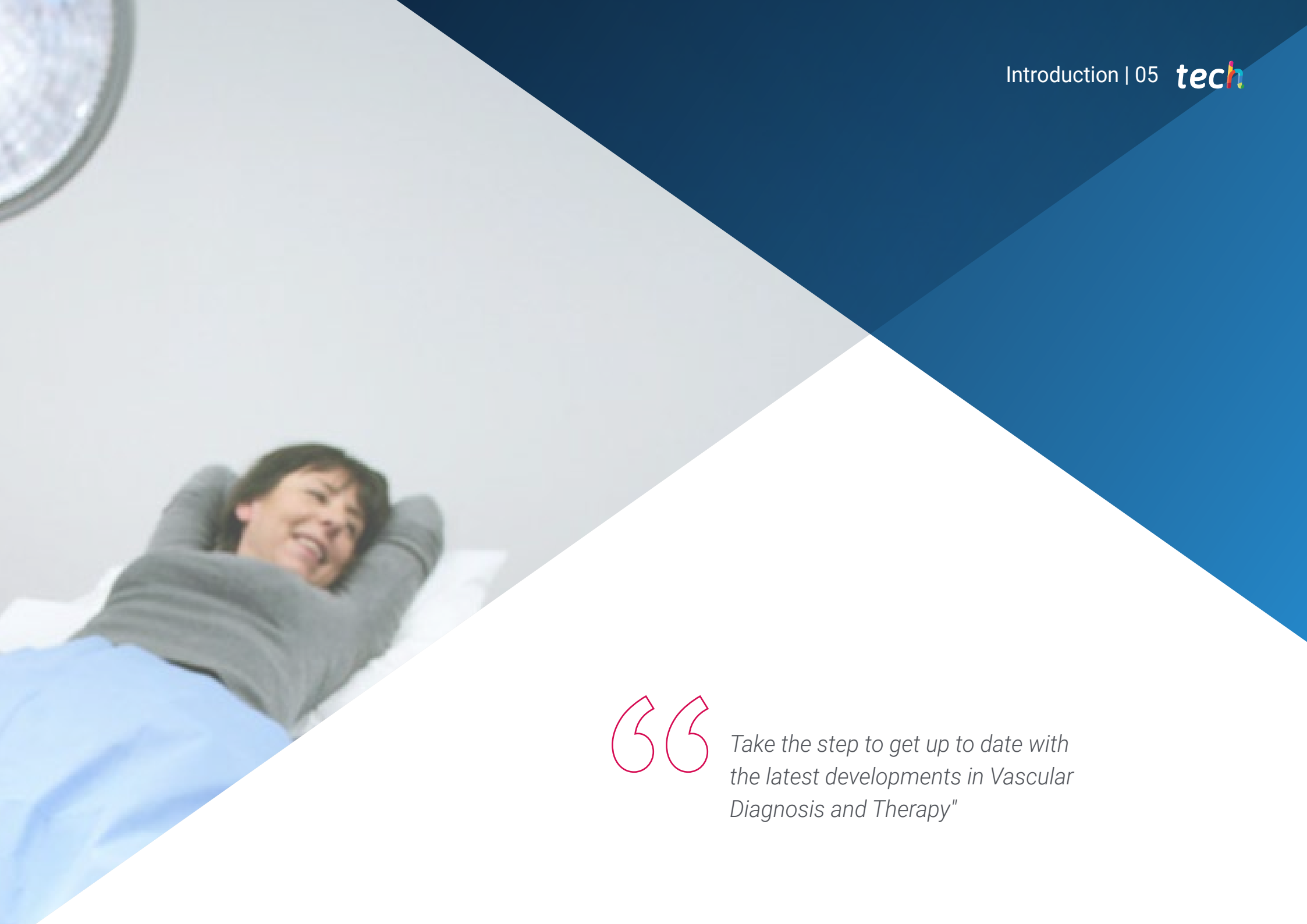
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# 01

# Introduction

Vascular diagnostic and therapeutic procedures using radiological techniques have been evolving rapidly in recent years due to the development of new technologies and new materials. The knowledge of these advances and their implementation in the diagnostic and therapeutic process, make it essential for the specialist to be constantly updated in order to be able to perform a quality clinical practice.





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*Take the step to get up to date with  
the latest developments in Vascular  
Diagnosis and Therapy”*

The treatment of arterial vascular pathology has undergone enormous development in recent years with the incorporation of image-guided therapy.

The development of new materials such as biodegradable tens or endoprotheses has allowed a less invasive approach and less morbidity in the vascular patient.

Knowledge of the different percutaneous closure techniques that allow incisionless endovascular techniques, knowledge of stent placement techniques in aortic aneurysm, antegrade and retrograde puncture techniques for vascular repair in patients with secondary arterial obstructions, etc. They will allow the interventional radiologist the effective management of this pathology so prevalent and disabling for a large number of patients.

This program is aimed at providing the professional with the latest diagnostic and therapeutic techniques for vascular pathologies, in a practical way through the latest educational technology.

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

- Clinical cases presented by specialists in Radiodiagnostics and other specialties
- 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
- Real high-resolution images of diagnostic and therapeutic techniques before pathologies of vascular etiology
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- All of this will be complemented by 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



*You will be able to learn, through the latest educational technology, the latest advances in the techniques of Vascular Diagnosis and Therapy"*

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*This Postgraduate Certificate is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Vascular Diagnostics and Therapy, you will obtain a certificate from TECH Global University”*

The teaching staff includes a team of leading Radiologists who bring their professional experience to this specialization addition to renowned specialists in other medical areas.

The multimedia content developed with the latest educational technology will provide the physician with situated and contextual learning, i.e., a simulated environment that will provide immersive training programmed to train in real situations.

This program is focused on Problem-Based Learning, whereby the specialist must try to solve the different professional practice situations that arise during this training. This will be done with the help of an innovative interactive video system created by renowned experts in the field of Radiology with extensive teaching experience.

*Incorporate the latest developments in Vascular Diagnostics and Therapy and new materials into your medical practice and improve the prognosis of your patients.*

*It includes clinical cases and real images in high definition to bring clinical practice as close as possible to the development of the program.*



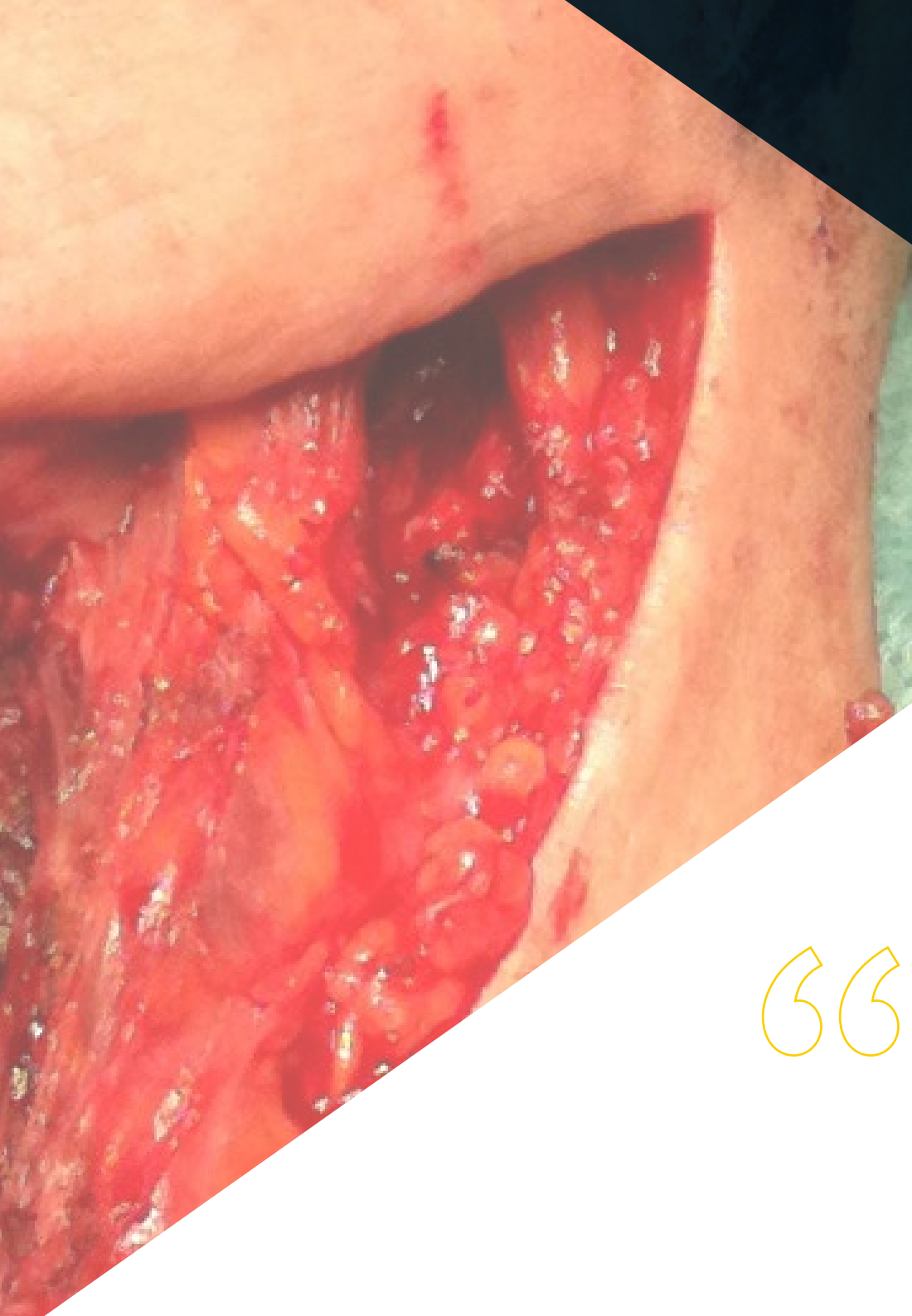
# 02

# Objectives

The main objective is oriented to allow the incorporation of the advances that are taking place in the approach to diagnostic and therapeutic techniques in vascular pathology, ensuring that the specialist can update their knowledge in a practical way, with the latest educational technology and adapting the educational process to their real needs.







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*This refresher program will provide you with the skills required for confident decision-making during the diagnostic process, and will help you to grow professionally"*



## General Objective

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- ◆ Update the specialist physician on the latest vascular closure procedures and complex vascular access techniques used as treatment of obstructive pathology and aneurysmal pathology of peripheral vascular disease to increase the quality of their daily medical practice and improve patient prognosis

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*Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice”*





## Specific Objectives

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- ◆ Update the procedures of invasive vascular diagnosis at the thorax, abdomen and lower limbs
- ◆ Increase knowledge of dilatation and *Stenting* techniques in the peripheral vascular system
- ◆ Describe the techniques of thrombectomy and fibrinolysis of the peripheral vascular system
- ◆ Describe the techniques for vascular therapy, their indications, alternatives, and medical management
- ◆ Update the techniques of exoplasty and vascular recanalization in the abdominal visceral trunks
- ◆ Correctly apply the treatment of aneurysmal disease at the level of the visceral trunks of the abdominal aorta
- ◆ Recognize the differences between the techniques of endoprosthesis implantation in aortic aneurysms
- ◆ Review the latest revascularization techniques in the treatment of the diabetic foot
- ◆ Gain up-to-date knowledge procedures for stenting, tightening and balloon dilations in the peripheral vascular system

# 03

## Structure and Content

The structure of the syllabus has been designed by a team of professionals knowledgeable about the implications of medical specialization in the approach to diagnostic and therapeutic procedures for vascular pathology, aware of the current relevance of learning and committed to quality teaching through new educational technologies.





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*The Postgraduate Certificate in Vascular Diagnosis and Therapy contains the most complete and updated scientific program on the market"*

### Module 1. Vascular Diagnosis

- 1.1. Abdominal Aortography and Arteriography of Lower Limbs
- 1.2. Arteriography of Visceral Digestive Trunks

### Module 2. Vascular Therapy

- 2.1. Peripheral Vascular Angiopathy and *Stents*
- 2.2. Peripheral Intra-arterial Thrombolysis
- 2.3. Percutaneous Vascular Closures
- 2.4. ATP of Renal Arteries and *Stent*
- 2.5. ATP and *Stenting* of Visceral Digestive Trunks
- 2.6. Aneurysms in Visceral Arteries. Diagnosis and Treatment
- 2.7. Aortic Aneurysms. Endoprosthesis
- 2.8. Treatment of Diabetic Foot





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

04

# 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.







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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 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.



# 05 Certificate

The Postgraduate Certificate in Vascular Diagnosis and Therapy guarantees students, in addition to the most rigorous 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 private qualification will allow you to obtain a **Postgraduate Certificate in Vascular Diagnosis and Therapy** 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 Vascular Diagnosis and Therapy**

Modality: **online**

Duration: **6 weeks**

Accreditation: **5 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

**tech** global  
university

personalized service innovation

knowledge present

online training

development language

virtual classroom

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