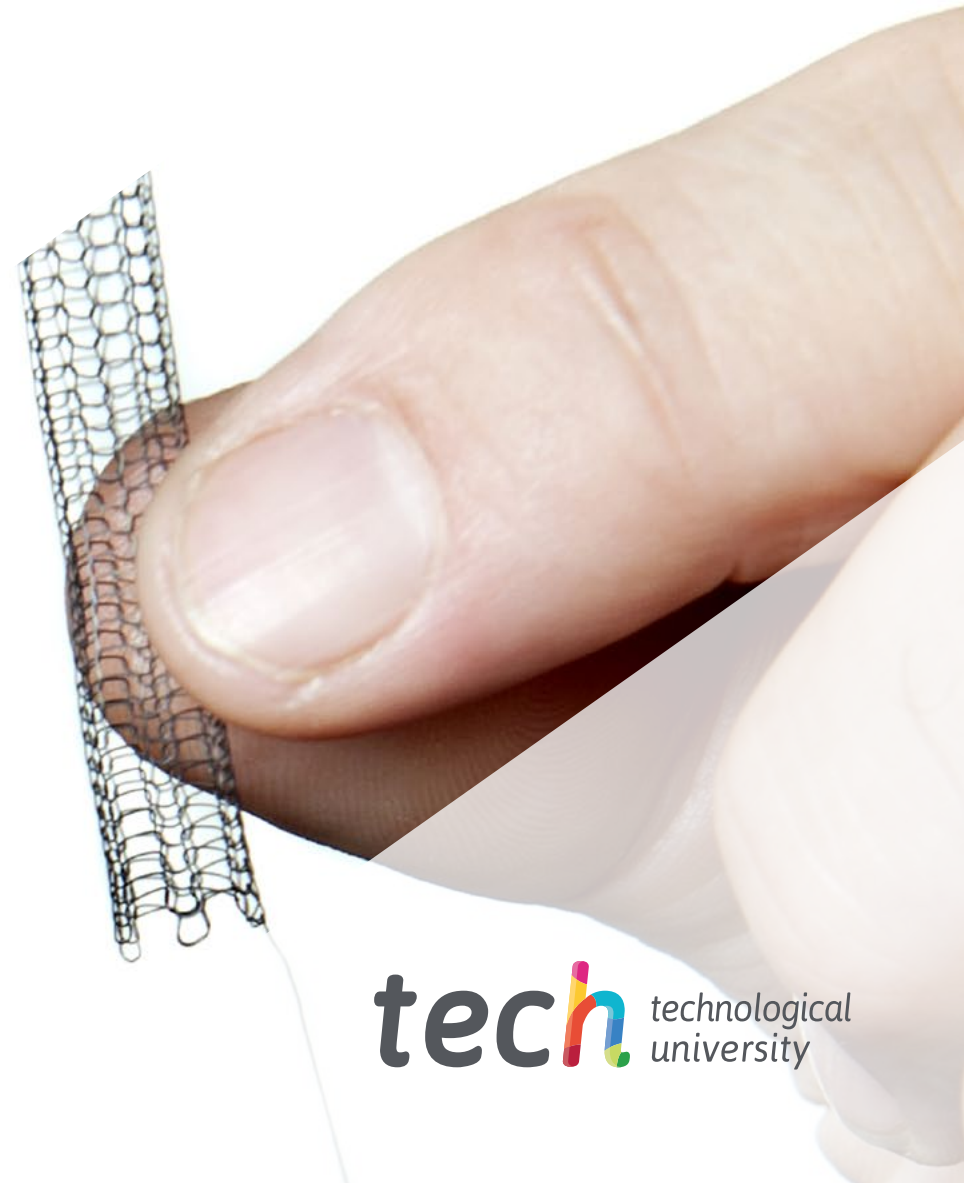


Postgraduate Certificate

Vascular Diagnosis and Therapy





Postgraduate Certificate Vascular Diagnosis and Therapy

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/vascular-diagnosis-therapy

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Structure and Content

p. 12

04

Methodology

p. 16

05

Certificate

p. 24

01

Introduction

Vascular diagnostic and therapeutic procedures using radiological techniques have evolved rapidly in recent years due to the development of new technologies and new materials. 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 carry out quality clinical practice.





“

The new scenarios in radiology push us to propose new specialization programs that meet the real needs of experienced professionals, so that they can incorporate advances in diagnostic and therapeutic procedures in vascular pathology into their daily practice”

The treatment of arterial vascular pathology has undergone a tremendous 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 vascular patients.

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... will allow the interventional radiologist to effectively manage this pathology, that is so prevalent and disabling for a large number of patients.

This program is aimed at providing professionals with the latest diagnostic and therapeutic techniques for vascular etiology 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 of the program include:

- ♦ Clinical cases presented by specialists in radiodiagnostics and other specialties. The graphic, schematic, and eminently 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.
- ♦ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ♦ All 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 vascular diagnosis and therapy”

“ *This course may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge in vascular and lymphatic interventional radiology techniques, you will obtain a certificate issued by TECH Technological University”*

Its teaching staff includes a team of leading radiologists, who bring to this specialization the experience of their work, in addition to recognized specialists in other medical fields.

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 designed around Problem Based Learning, whereby the student must try to solve the different professional practice situations that arise during the course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of radiology with extensive teaching experience.

Incorporate the latest developments in vascular and lymphatic diagnosis 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 aimed at allowing the incorporation of the developments 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 skills to act with confidence in decision making during the diagnostic process, and help you grow professionally”



General Objective

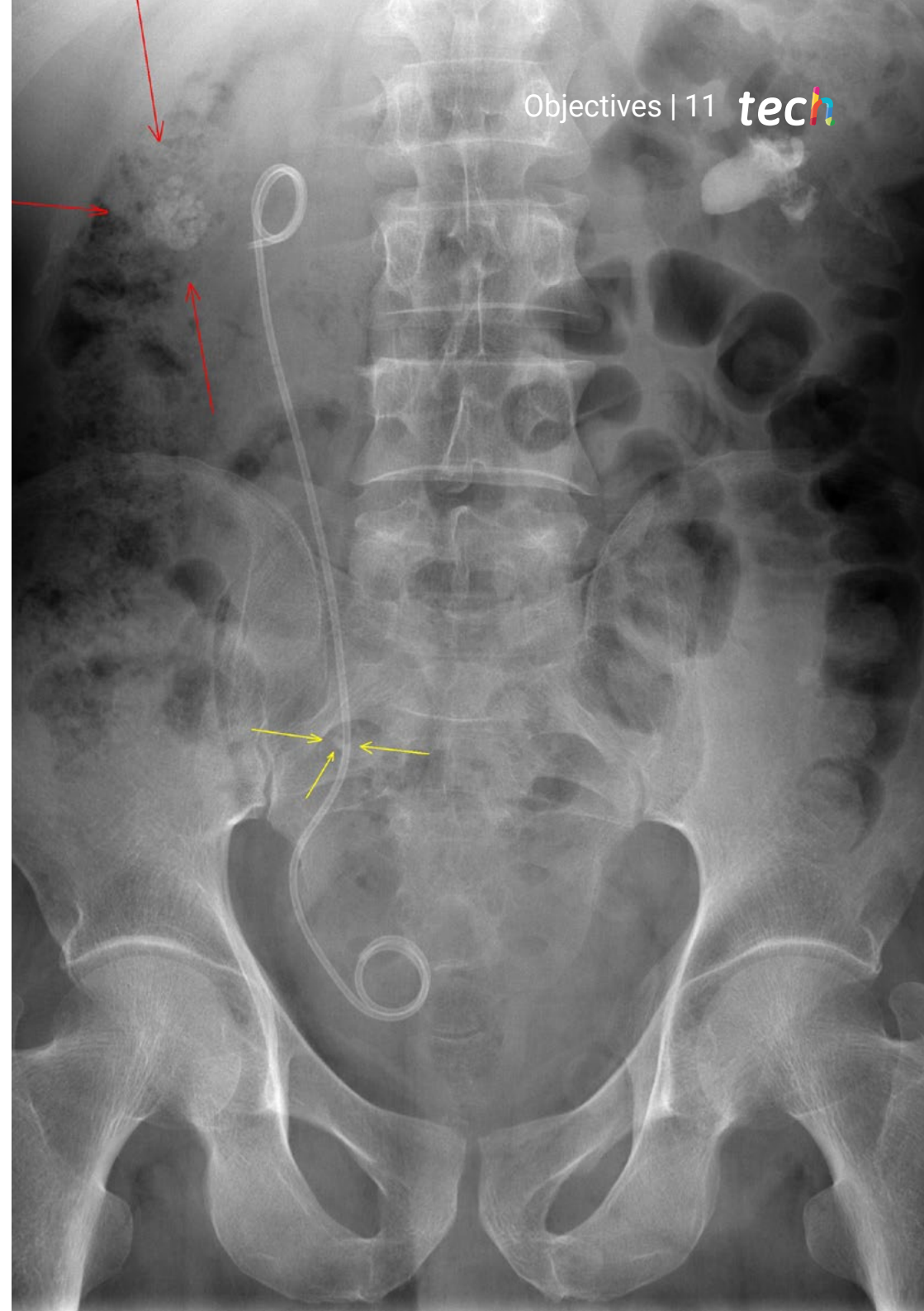
- Update the specialist physician on the latest vascular closure procedures and complex vascular access techniques used as treatment of obstructive pathology and aneurysmal pathology of peripheral vascular disease in order to increase the quality of his daily medical practice and improve patient prognosis





Specific Objectives

- ◆ Update the invasive vascular diagnostic procedures of 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
- ◆ 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 endoprosthesis implantation techniques in aortic aneurysms
- ◆ Review the latest revascularization techniques in the treatment of the diabetic foot
- ◆ Update 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 with knowledge of the implications of medical specialization in the approach to diagnostic and therapeutic procedures in vascular pathology, who are aware of the relevance of the up-to-date specialization, and specialization committed to quality teaching using new educational technologies.





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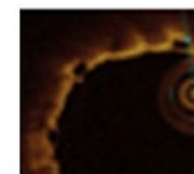
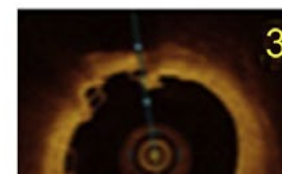
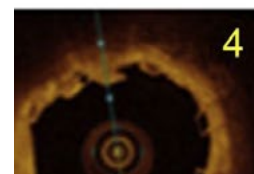
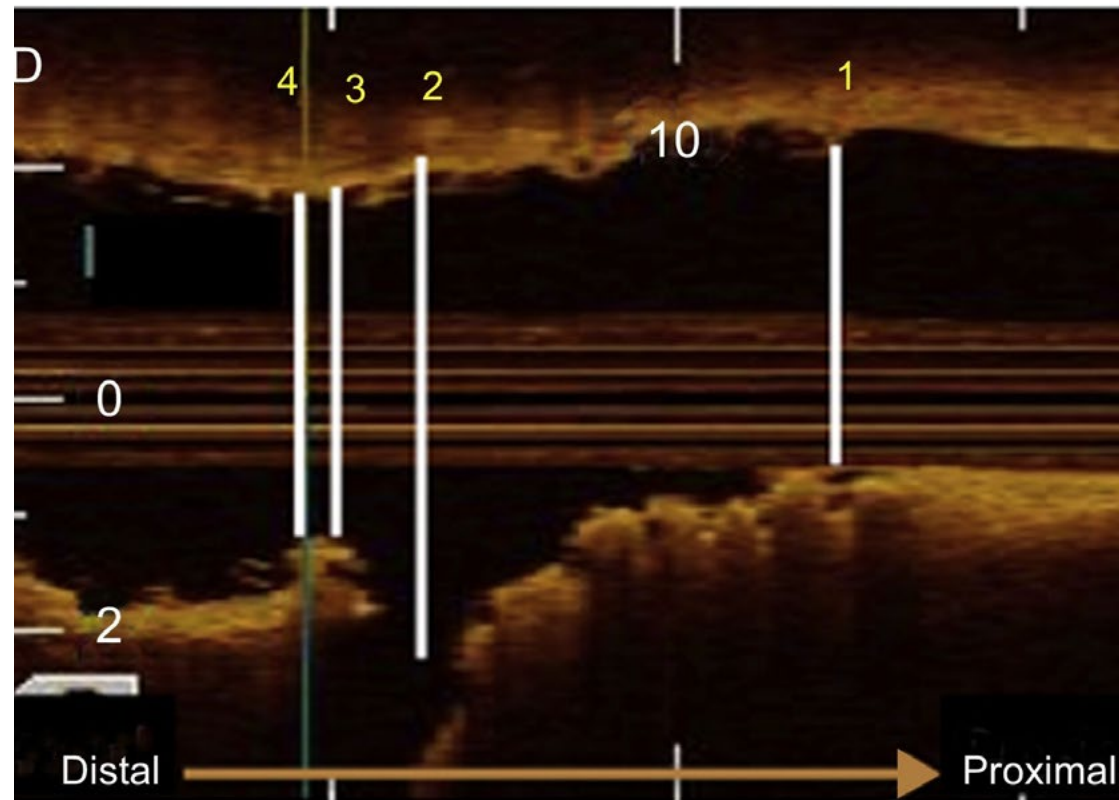
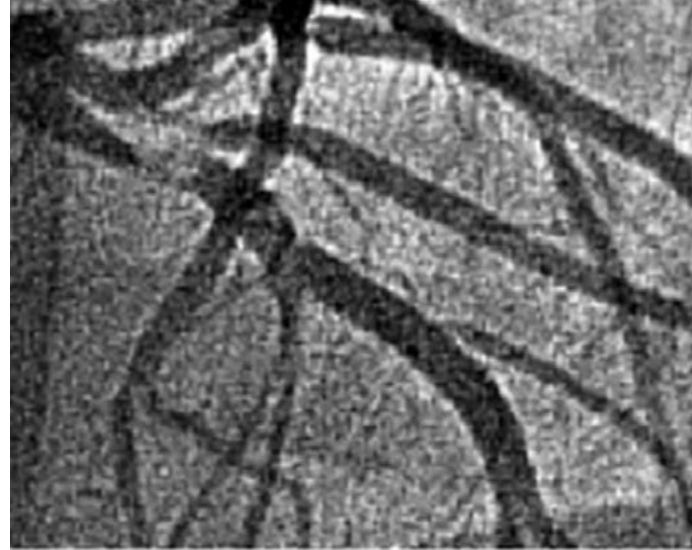
This Postgraduate Certificate in Vascular Diagnosis and Therapy contains the most complete and up-to-date scientific program on the market”

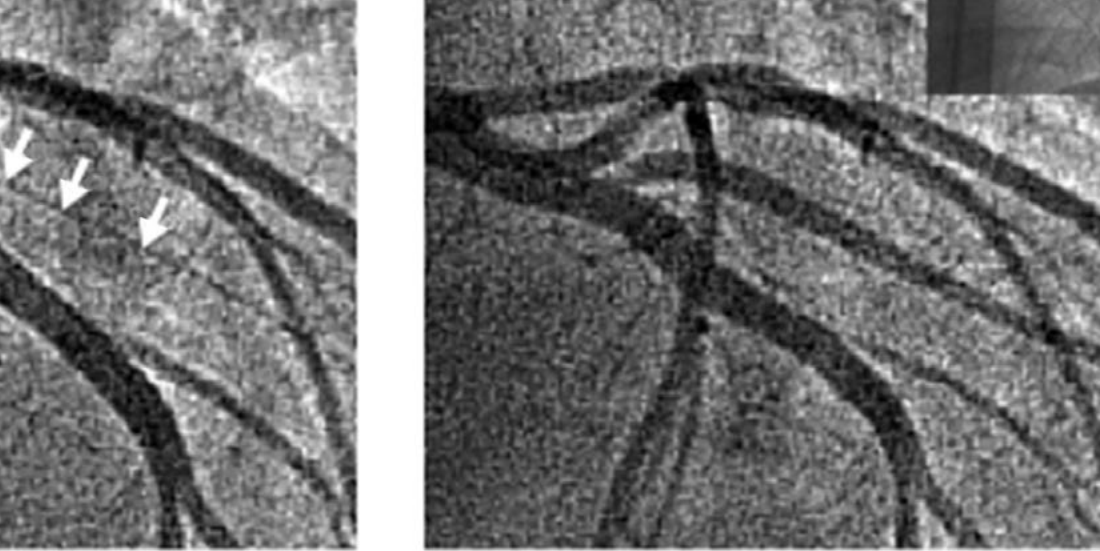
Module 1. Vascular Diagnosis

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

Module 2. Vascular Therapy

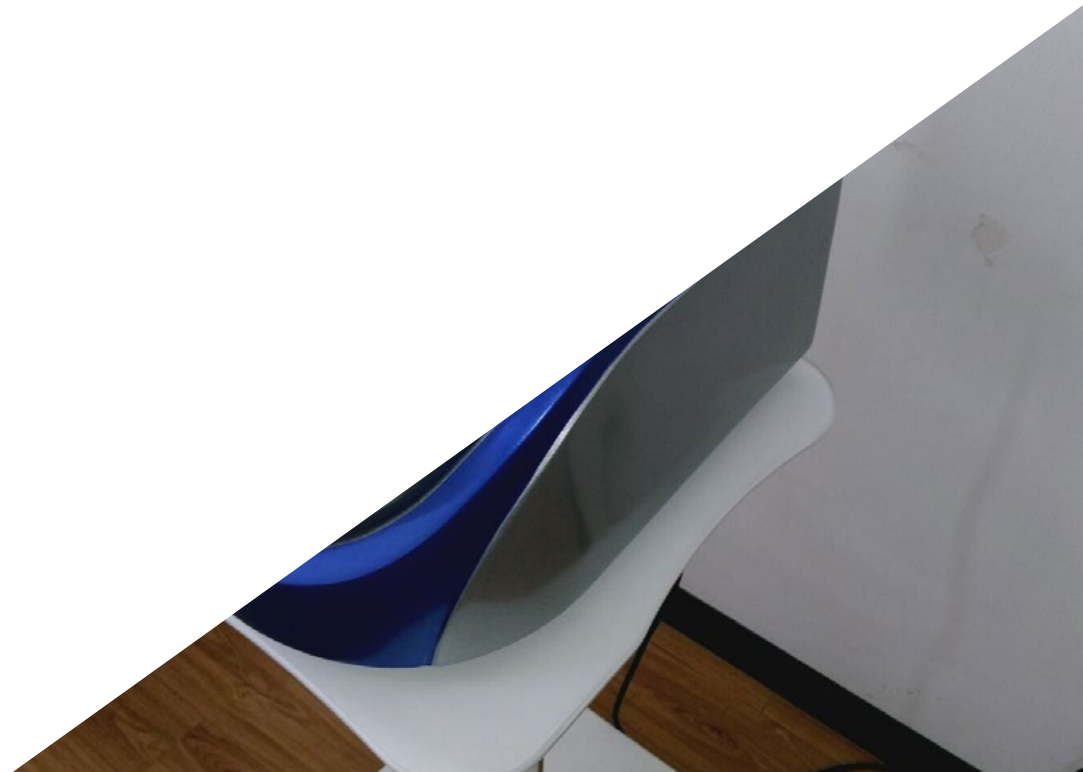
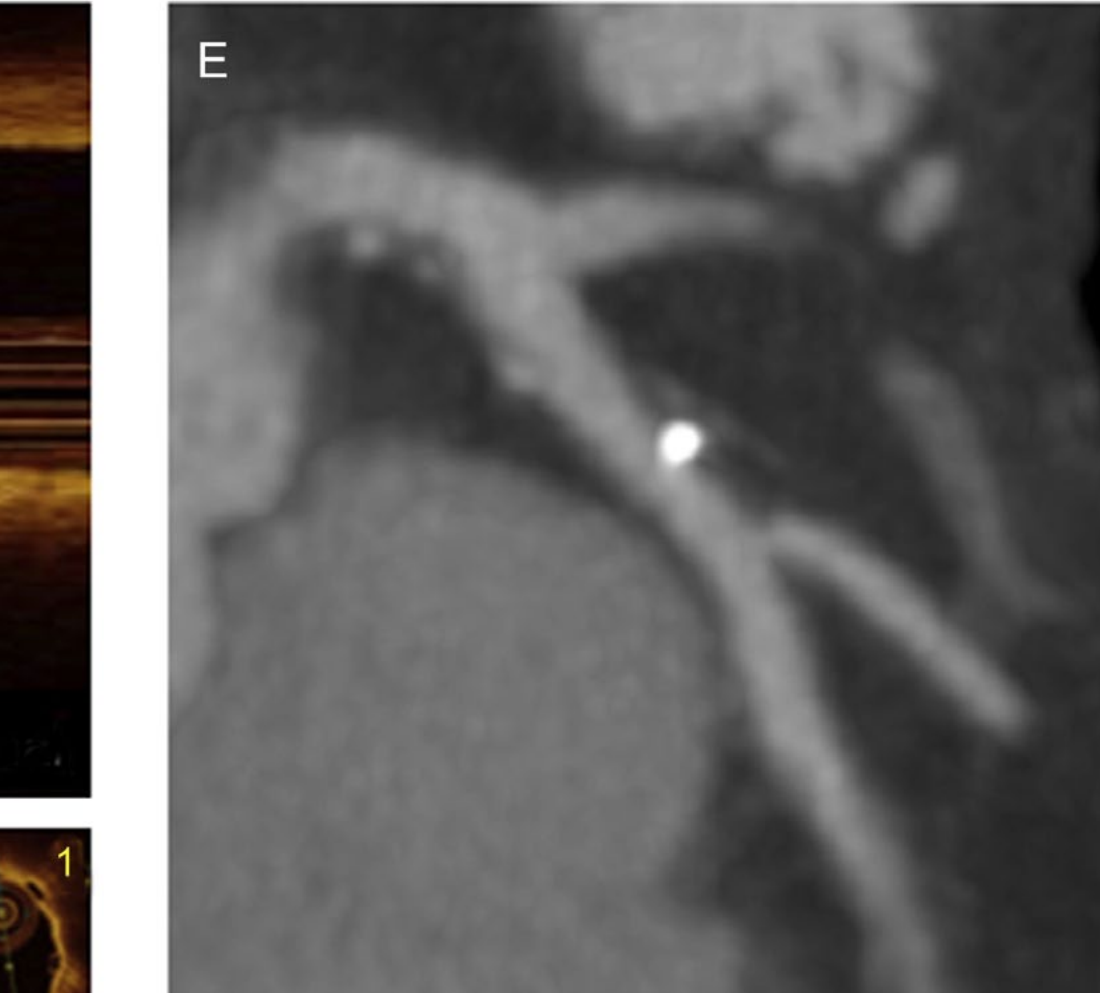
- 2.1. Peripheral Vascular Angiopathy and Stents
- 2.2. Peripheral Intrarterial Thrombolysis
- 2.3. Percutaneous Vascular Closures
- 2.4. ATP of Renal Arteries and Stent
- 2.5. ATP and Stenting of Visceral Digestive Trunks
- 2.6. Aneurysms in Visceral Arteries. Diagnosis and Treatment
- 2.7. Aortic Aneurysms.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





“

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



04

Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

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



According to Dr. Gervas, 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 potential 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 professional medical 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 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 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.



Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.

The physician 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning 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 (we 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.



In this program you will have access to the best educational material, prepared with you 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.

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.



Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



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 unique multimedia content presentation training system 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 training.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through 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 your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



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 our future difficult decisions.



Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



05 Certificate

The **Postgraduate Certificate in Vascular Diagnosis and Therapy** guarantees you, in addition to the most rigorous and updated specialization, access to a certificate issued by **TECH Technological University**.





“

Successfully complete this specialization and receive your diploma without the hassle of travel or paperwork”

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

After students have passed the assessments, they will receive by certified mail their Postgraduate Certificate issued by **TECH Technological University**.

The diploma issued by **TECH Technological University** will express the qualification obtained in the course, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Vascular Diagnosis and Therapy**

Official Number of Hours: **125**



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



Postgraduate Certificate

Vascular Diagnosis
and Therapy

- » Modality: online
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- » Exams: online

Postgraduate Certificate

Vascular Diagnosis and Therapy

