

# Postgraduate Certificate

## Vascular and Lymphatic Interventional Radiology





## Postgraduate Certificate Vascular and Lymphatic Interventional Radiology

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

Website: [www.techtute.com/pk/medicine/postgraduate-certificate/vascular-lymphatic-interventional-radiology](http://www.techtute.com/pk/medicine/postgraduate-certificate/vascular-lymphatic-interventional-radiology)

# 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

Interventional vascular and lymphatic radiology procedures have evolved rapidly in recent years due to the development of new technologies, bioengineering and new materials. Knowledge of these advances and their implementation in the diagnostic and therapeutic process, make it essential for the specialist physician to be constantly updated in order to be able to carry out quality clinical practice.

*Updating your knowledge in vascular and lymphatic interventional radiology is key to providing better care to our patients.*





“

*New scenarios in today's radiology drive us to propose new training programs that meet the real needs of experienced professionals, so that they can incorporate new advances in vascular and lymphatic interventional radiology procedures into their daily practice"*

Image-guided therapy in the diagnosis and treatment of venous and lymphatic vascular system pathology has undergone enormous development in the last decade. The development of minimally invasive techniques for the treatment of venous insufficiency and lymphatic pathology allows an effective approach with minimal incision that replaces much more aggressive surgical techniques with lower resolution and less morbidity for patients.

Knowledge of the different therapeutic alternatives, their indications and their correct implementation are fundamental in the therapeutic arsenal of the interventional radiologist in the 21st century.

This program is aimed at providing the professional with the latest techniques in vascular and lymphatic interventional radiology, in a practical way through the latest educational technology.

This **Postgraduate Certificate in Vascular and Lymphatic Interventional Radiology** contains the most complete and up-to-date scientific program on the market. The most important features of the University Course are:

- 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 vascular and lymphatic interventional radiology
- 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 learn, through the latest educational technology, the latest advances in vascular and lymphatic interventional radiology techniques”*

“

*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 training the experience of their work, in addition to recognized specialists in other medical fields.

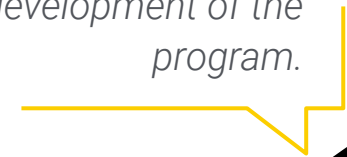
The multimedia content developed with the latest educational technology will provide the physician with situated and contextual learning, i.e., a simulated environment that will provide immersive training programmed to train in real situations.

Problem-Based Learning underpins this program design, and the specialist must use it to try and solve the different professional practice situations that arise throughout the Postgraduate Certificate. 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 interventional radiology and new materials into your medical practice and improve your patients' prognosis.*



*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 vascular and lymphatic interventional radiology techniques, 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.







“

*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 medical specialist in the latest vascular and lymphatic interventional radiology procedures, incorporating these latest advances in the discipline to increase the quality of their daily medical practice and improve patient prognosis.





## Specific Objectives

---

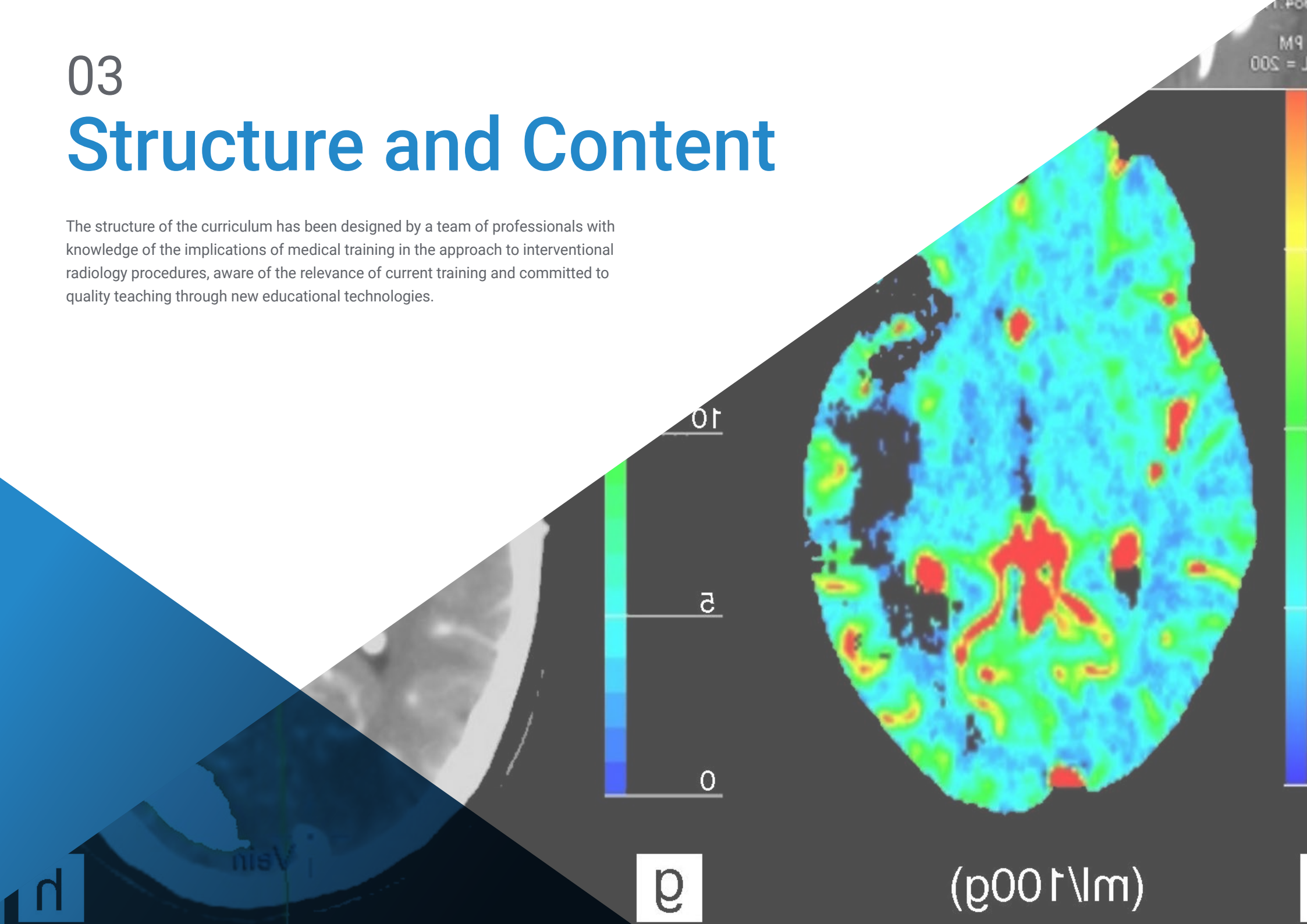
- Identify invasive diagnostic techniques in venous pathology of upper and lower limbs
- Review the latest evidence in superior and inferior vena cava tumor obstructive pathology
- Analyze the latest advances in venous thromboembolic disease
- Increase knowledge of central venous access techniques and placement of catheters and central venous devices
- Percutaneous management of intravenous dialysis catheters
- Increase knowledge about percutaneous lymphatic venous system access and invasive diagnosis and therapy of the lymphatic system
- Apply indications and techniques for transjugular liver biopsy and hepatic hemodynamic study as well as venous sampling
- Distinguish the different percutaneous techniques and strategies for the treatment of venous insufficiency in the lower extremities



03

# Structure and Content

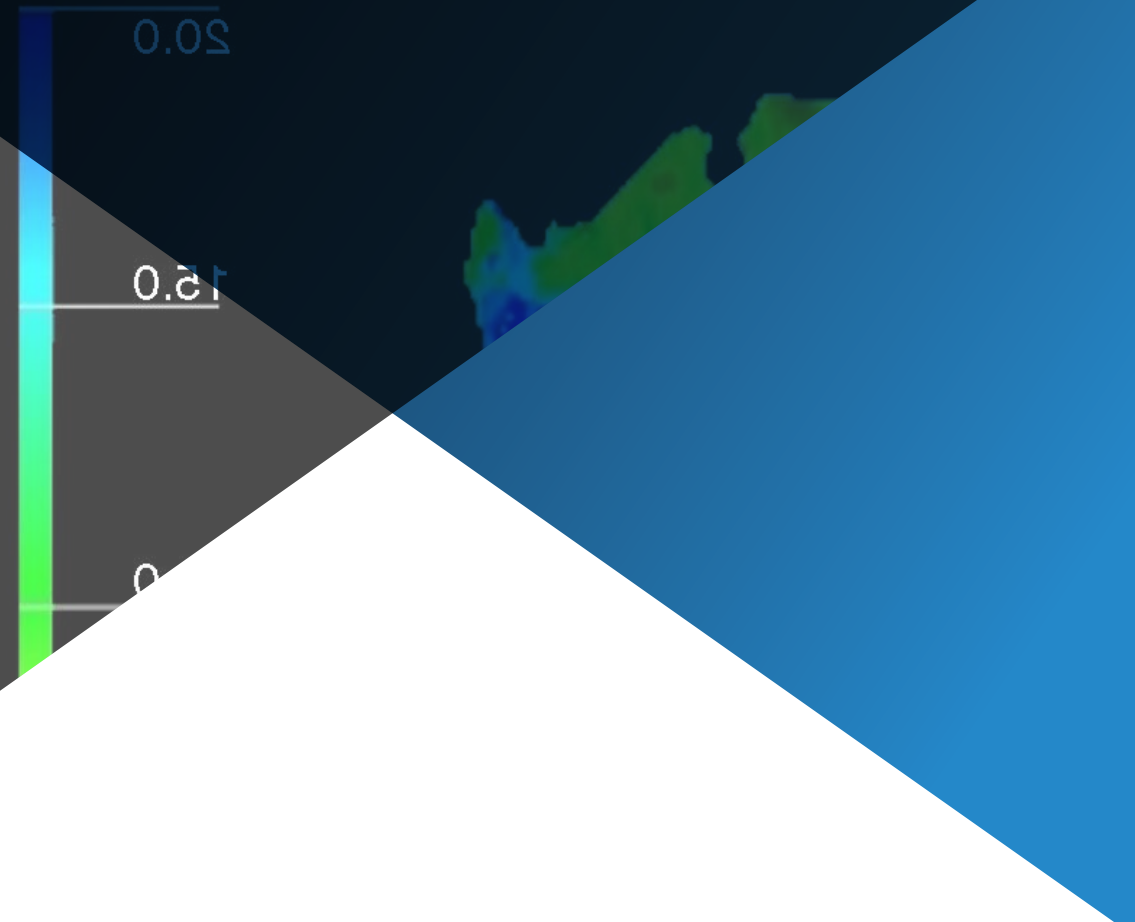
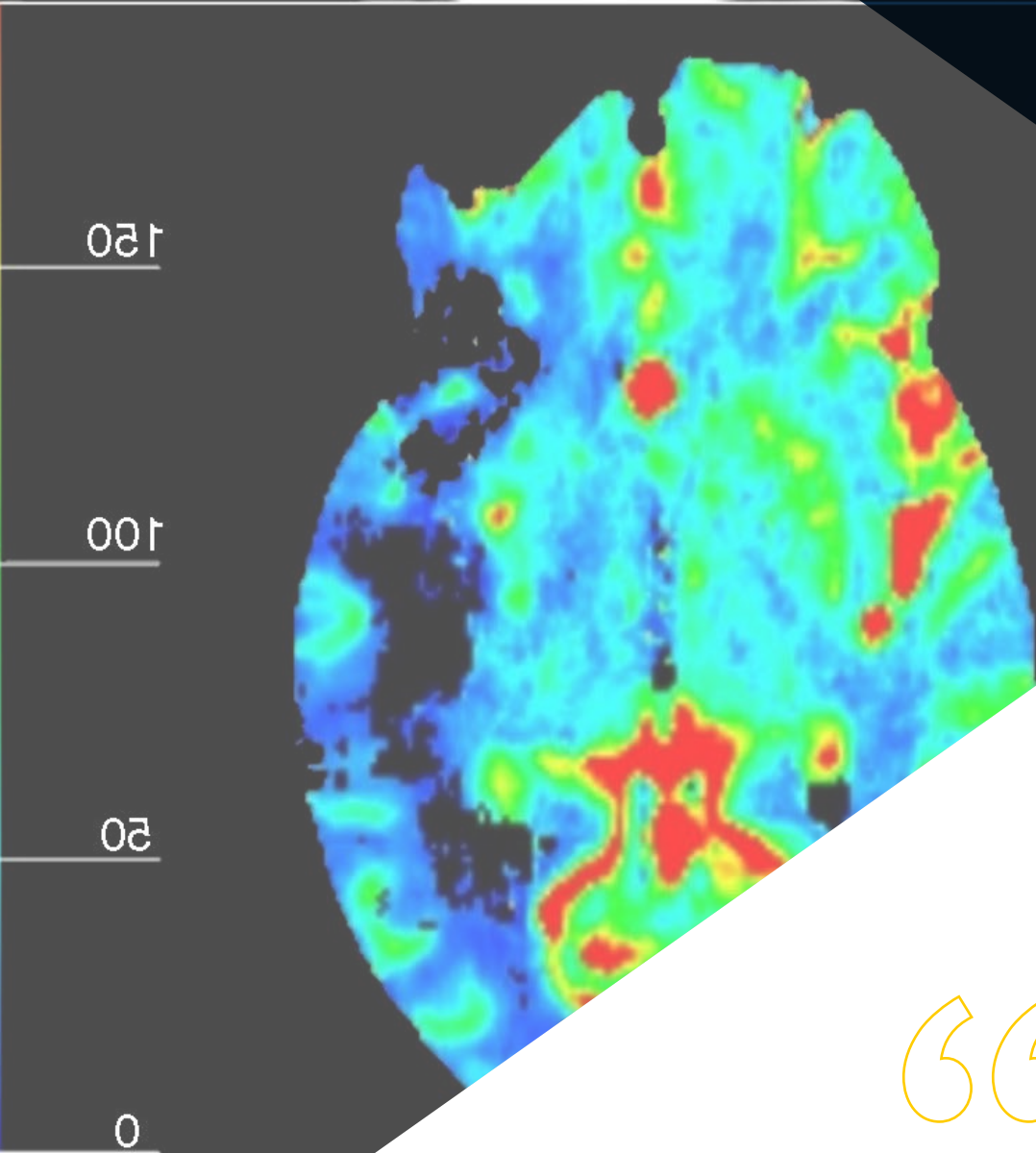
The structure of the curriculum has been designed by a team of professionals with knowledge of the implications of medical training in the approach to interventional radiology procedures, aware of the relevance of current training and committed to quality teaching through new educational technologies.



0.1  
82.8  
700

d

e



“

*This Postgraduate Certificate in Vascular and Lymphatic Interventional Radiology contains the most complete and up-to-date scientific program on the market”*

f

**Module 1.** Phlebography of the Upper and Lower Limbs. Cavography

**Module 2.** Superior Vena Cava Syndrome

**Module 3.** Pulmonary Embolism and Deep Vein Thrombosis

**Module 4.** Central Routes, Portacath, PICS

**Module 5.** Diagnostic and Therapeutic Lymphography

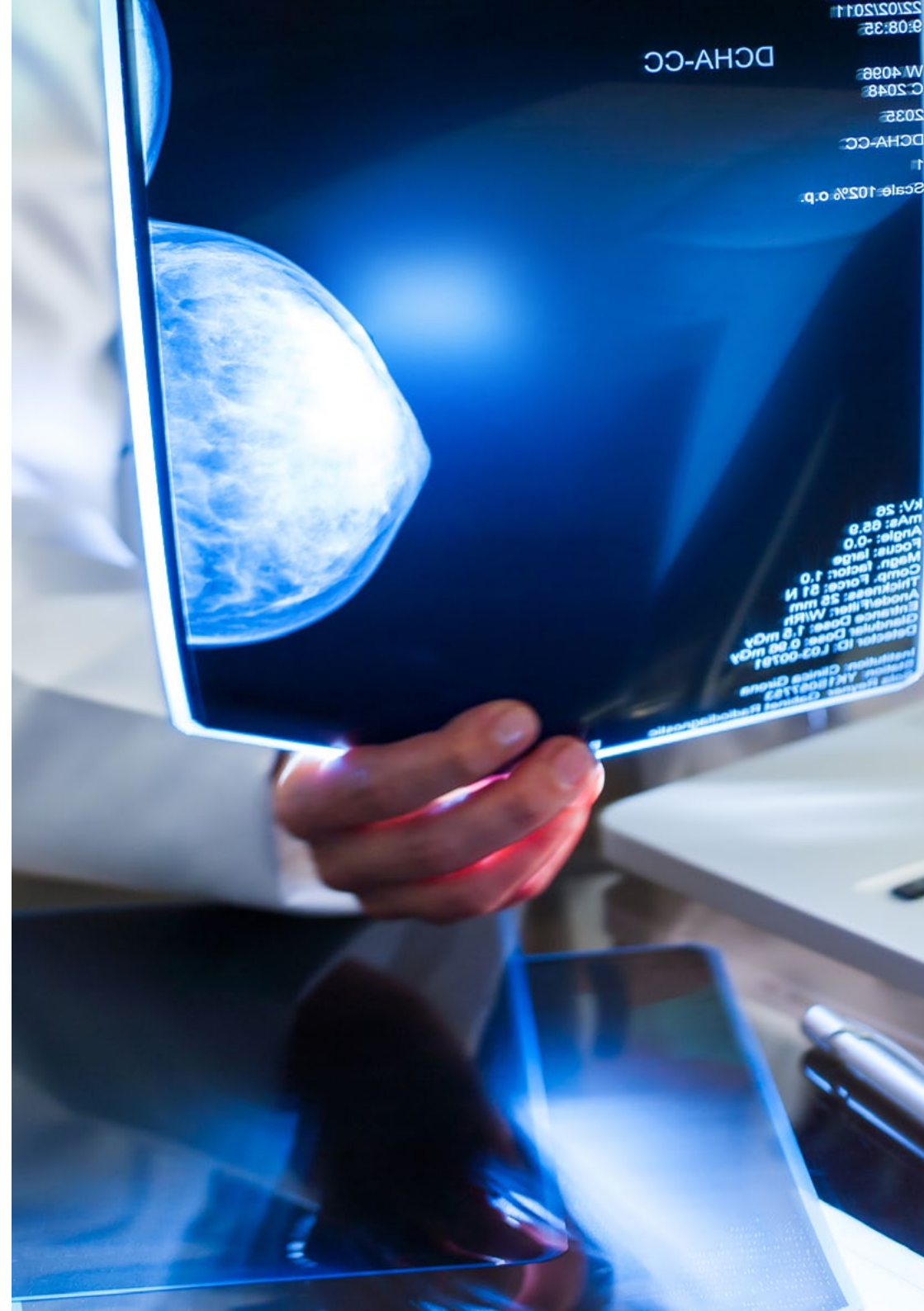
**Module 6.** Inferior Vena Cava Filter Placement

**Module 7.** Dialysis Catheter Placement, Replacement and Removal

**Module 8.** Angioplasty and Thrombectomy of Vascular Access for Dialysis

**Module 9.** Transjugular Liver Biopsy, Hepatic Hemodynamic Study and Hepatic Venous Sampling

**Module 10.** Treatment of Venous Insufficiency in Lower Limbs





“

*A unique, key, and decisive  
Training 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.





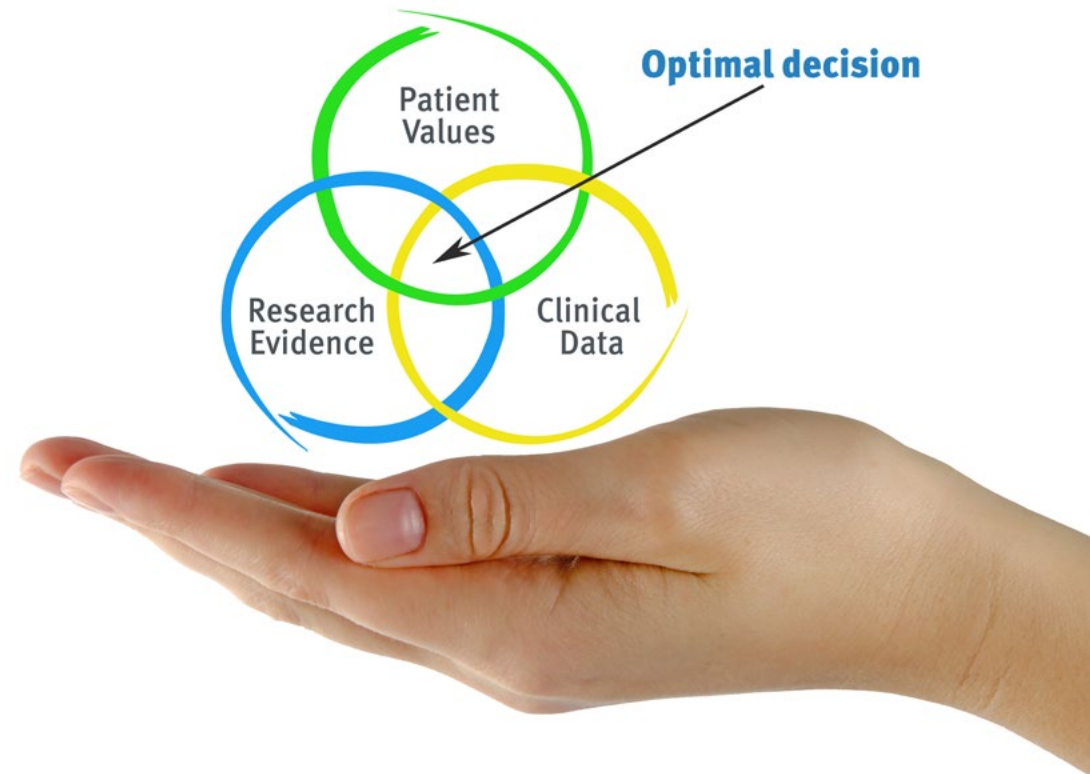
“

*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

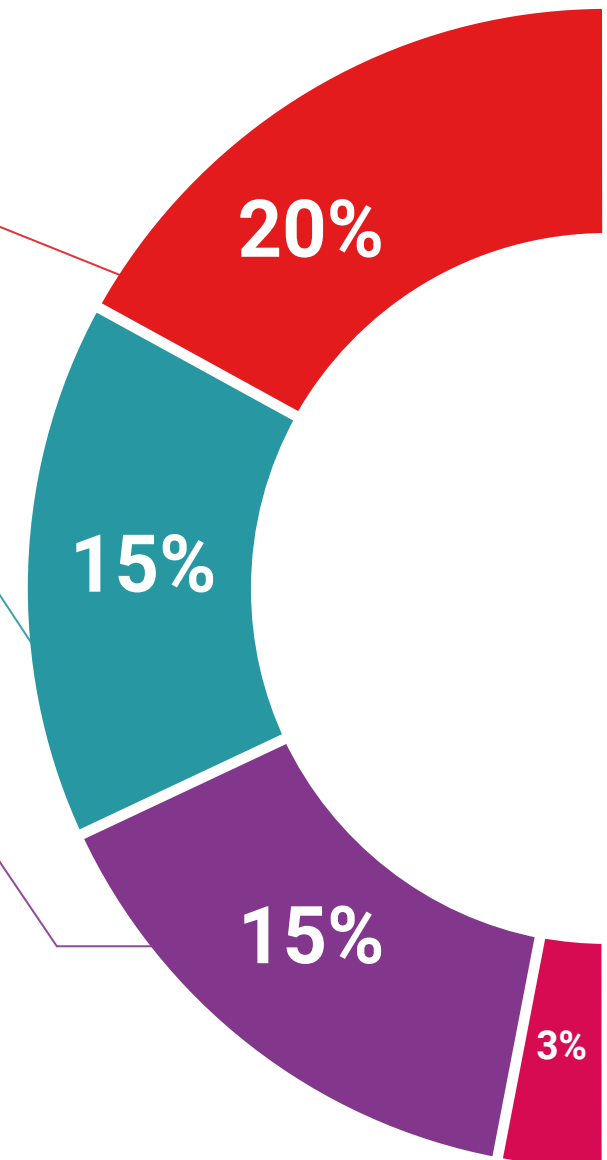
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

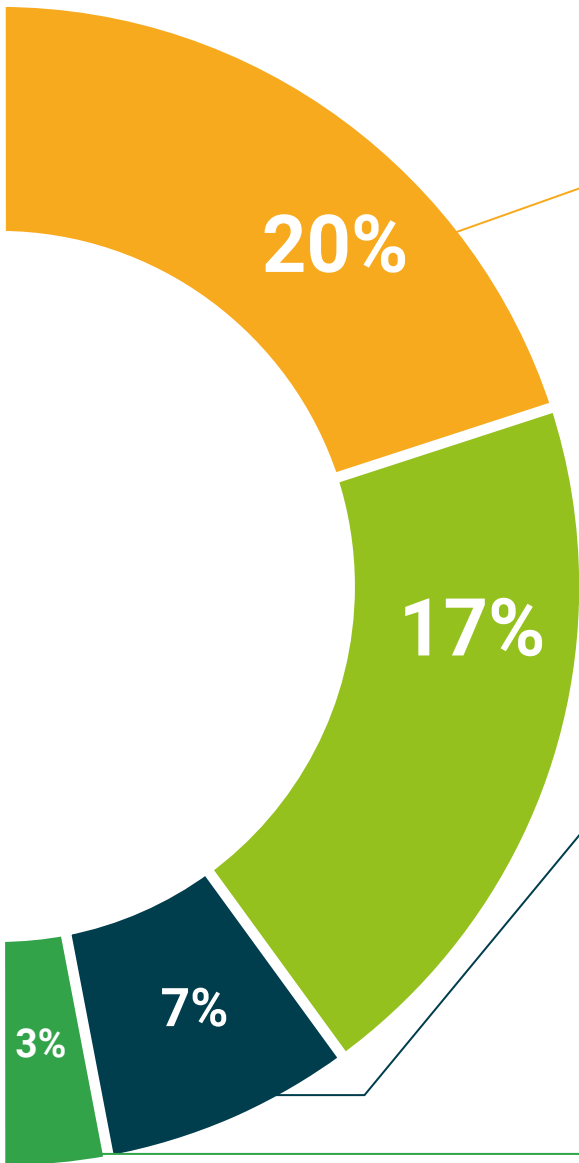
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### 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 and Lymphatic Interventional Radiology guarantees you, in addition to the most rigorous and updated specialization, access to a certificate issued by TECH Technological University.







“

*Successfully complete this training and receive your university degree without travel or laborious paperwork”*

This **Postgraduate Certificate in Vascular and Lymphatic Interventional Radiology** 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 certificate issued by **TECH Technological University** will specify the qualification obtained through the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Diploma: **Postgraduate Certificate in Vascular and Lymphatic Interventional Radiology**

N.º Hours: **150**



\*Apostille Convention. In the event that the student wishes to have their paper certificate Apostilled, TECH EDUCATION will make the necessary arrangements to obtain it at an additional cost of €140 plus shipping costs of the Apostilled diploma.

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



**Postgraduate Certificate**  
Vascular and Lymphatic  
Interventional Radiology

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

# Postgraduate Certificate Vascular and Lymphatic Interventional Radiology

