

# Postgraduate Certificate

## Thrombosis in the Oncologic Setting



## Postgraduate Certificate Thrombosis in the Oncologic Setting

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

Website: [www.techitute.com/us/medicine/postgraduate-certificate-thrombosis-field-oncology-setting](http://www.techitute.com/us/medicine/postgraduate-certificate-thrombosis-field-oncology-setting)

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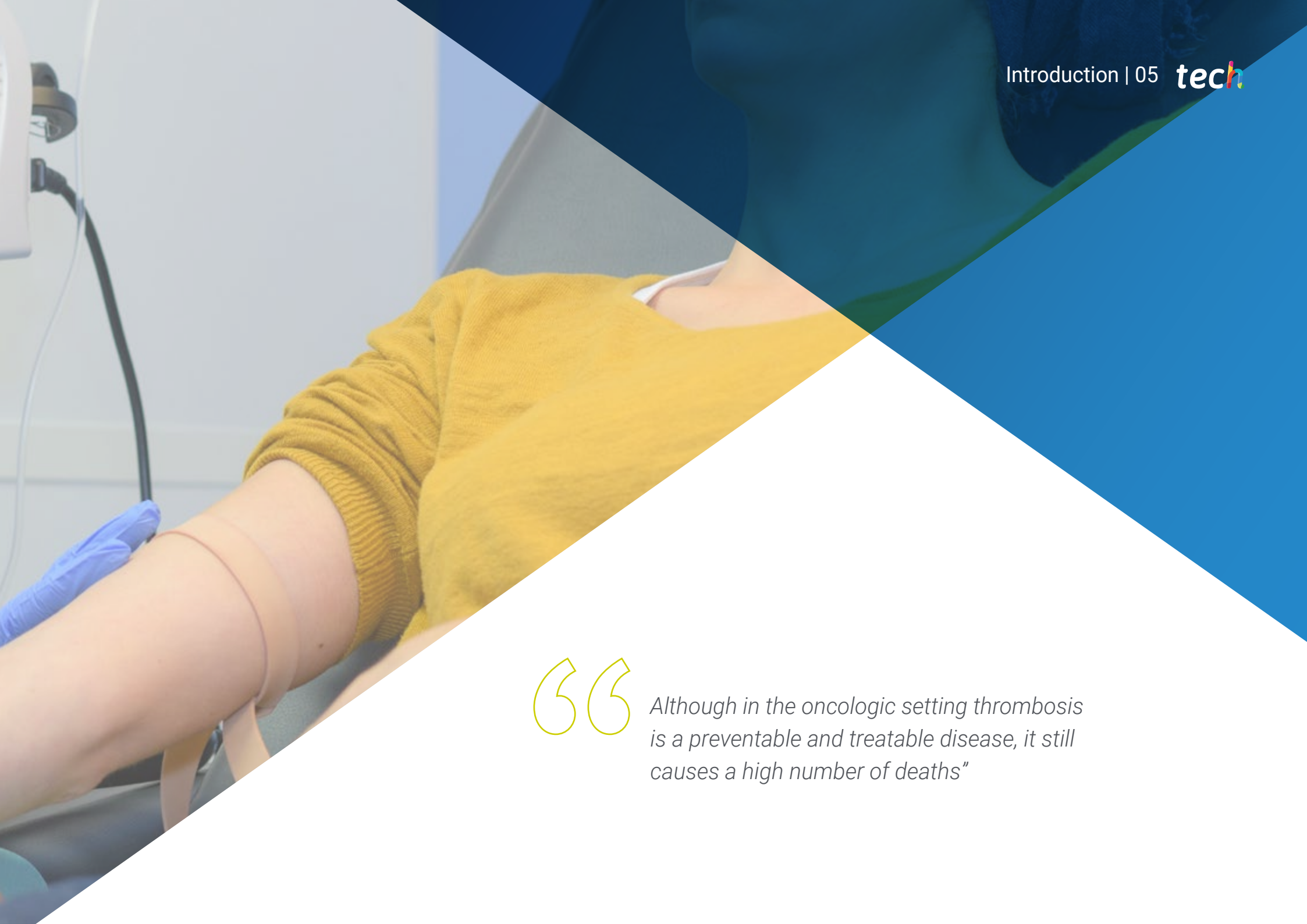
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# 01

# Introduction

Venous thromboembolic disease is one of the main causes of preventable death in cancer patients, although early diagnosis continues to lag behind medicine in this field. This is because its relationship with oncology patients is still poorly understood, so more effort needs to be put into research in this field.





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*Although in the oncologic setting thrombosis is a preventable and treatable disease, it still causes a high number of deaths”*

In 2012, there were 8.2 million deaths due to cancer, with thrombosis being one of the main causes of death in these patients. This is why the European Commission has proposed, as stated in the White Book Cancer-Associated Thrombosis, to reduce cancer deaths by 15% by 2020. Therefore, it is important to advance in research and in diagnostic tests and treatments that will allow better results and a better quality of life in these patients.

Throughout this Postgraduate Certificate, students will focus on the effects associated with oncology patients, with a program that has been designed by specialists in this field, so students will receive a complete and specific training from experts in the field.

In this way, this program aims to establish the basis of knowledge in this field, starting from the risk factors of these patients and the differences that may arise between each type of patient, as well as the different types of treatments and therapies.

Therefore, after completing and passing the program, students will have acquired the theoretical knowledge necessary to carry out effective treatment of venous thromboembolism disease associated with cancer patients in the main areas of action of the professional.

This **Postgraduate Certificate in Thrombosis in the Oncologic Setting** 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 experts in Thrombosis in the Oncologic Setting
- ♦ 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
- ♦ Latest developments in Thrombosis in the Oncologic Setting
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ With special emphasis on innovative methodologies in Thrombosis in the Oncologic Setting
- ♦ 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



*This program is the best option you can find to specialize in Thrombosis in the Oncologic Setting and make more accurate diagnoses”*



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*This Postgraduate Certificate is the best investment you can make when selecting a refresher program for two reasons: in addition to updating your knowledge in Thrombosis in the Oncologic Setting, you will obtain a qualification from TECH Global University"*

Its teaching staff includes professionals from the field of Thrombosis in the Oncologic Setting, who bring their experience to this educational program, as well as renowned specialists from leading communities and prestigious universities.

The 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 immersive education programmed to learn 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. To that end, the professional will have the help of an innovative, interactive video system made by recognized and extensively experienced experts in Thrombosis in the Oncologic Setting.

*This program comes with the best educational material, providing you with a contextual approach that will facilitate your learning.*

*This 100% online Postgraduate Certificate will allow you to combine your studies with your professional work while increasing your knowledge in this field.*



02

# Objectives

The Postgraduate Certificate in Thrombosis in the Oncologic Setting is aimed at facilitating the performance of the professional dedicated to Biomedicine with the latest advances and newest treatments in the sector.





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*It is the best option to learn about the latest advances in Thrombosis in the Oncologic Setting”*



## General Objectives

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- Delve into the knowledge of venous thromboembolism as a complex disease
- Specialize in the field of omic data and bioinformatic methods applied to precision medicine
- Keep up with the latest updates on the disease







## Specific Objectives

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- ♦ Apply preventive measures for oncology patients according to their characteristics, whether in-patients, surgical patients or patients undergoing systemic therapy in an outpatient setting
- ♦ Recognize preventive models for thrombosis risk and offer them to patients
- ♦ Apply the most effective treatments for cancer-associated thrombosis

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

04

# Course Management

The program's teaching staff includes leading experts in Thrombosis in the Oncologic Setting who contribute their vast work experience to this educational program. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.



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*Leading area professional have come together to teach you the latest advances in Thrombosis in the Oncologic Setting”*

## Management



### Dr. Soria, José Manuel

- ♦ Director of the Genomics of Complex Diseases Unit at the Research Institute of the Hospital de la Santa Creu i Sant Pau Barcelona
- ♦ Co-Founder / Chief Scientific Officer (CSO)
- ♦ Coordinator Sant Pau Node of the Bioinformatics Platform UAB (BioninfUAB)
- ♦ Coordinator of the ITEMAS Network (ICIII Health Technology Innovation Network) Nodo Institut de Recerca-HSCSP
- ♦ Responsible for the Genomics Area of the Scientific-Technical Platforms of the Institut de Recerca HSCSP
- ♦ Author of 129 scientific publications (134 articles in scientific journals with IF) and 5 doctoral theses

## Professors

### Dr. Souto Andrés, Juan Carlos

- ♦ Scientific Director of Monitor Medical
- ♦ Current head of the Section of Diagnostic and Translational Research of Hemostasis Diseases. Hospital de la Santa Creu i Sant Pau, in Barcelona
- ♦ Scientific Advisor of Devicare
- ♦ Member of Scientific Societies such as SETH, AEHH, ISTH, ISMAA and ACMCB
- ♦ PhD in Medicine and Surgery, UAB
- ♦ Specialist in Hematology and Hemotherapy
- ♦ Degree in Medicine and Surgery, University Extension, UCB, Lleida

### Dr. López del Río, Ángela

- ♦ Engineer at B2SLab. Bioinformatics and Biomedical Signals Laboratory
- ♦ Researcher at the Center for Biomedical Research, Polytechnic University of Catalonia
- ♦ Biomedical Engineer, Polytechnical University of Madrid
- ♦ Master's Degree in Biomedical Engineering from the Barcelona University and Polytechnic University of Catalonia
- ♦ Training at the European Bioinformatics Institute (EBI-EMBL), Cambridge



**Dr. Llamas Sillero, Pilar**

- ♦ Head of Hematology at Fundación Jiménez Díaz Quirón Salud
- ♦ Corporate Head of the Hematology and Hemotherapy Department, Quironsalud Madrid Public Hospitals; Jiménez Díaz Foundation, Rey Juan Carlos, Infanta Elena University Hospitals and Villalba General Hospital
- ♦ Director of the Department of Thrombosis Jiménez Díaz Foundation Hospital, Madrid
- ♦ Phase IV clinical trial instructor, Hospital Universitario de La Princesa
- ♦ Professor of the Primary Care Update Program for Physicians of the Illustrious Official College of Physicians of Madrid (ICOMEM)
- ♦ Honorary Professor of the Department of Medicine (Hematology) of the Faculty of Medicine of the URJC and honorary tutor of the URJC
- ♦ PhD Cum Laude in Medicine and Surgery from the Autonomous University of Madrid (UAM)
- ♦ Degree in Medicine and Surgery, University of Córdoba

**Dr. Muñoz Martín, Andrés J**

- ♦ Coordinator of the Cancer and Thrombosis Working Group of the Spanish Society of Medical Oncology (SEOM)
- ♦ Vice-Chairman of the Ethics and Clinical Research Committee (CEIC), Gregorio Marañón General University Hospital, Madrid
- ♦ Assistant Physician, Medical Oncology Department Unit of Digestive System Tumors Head of the Hepato-Bilio-Pancreatic Tumors and Cancer and Thrombosis Research Program Gregorio Marañón General University Hospital, Madrid
- ♦ Collaborating Professor in Practical Teaching, Department of Medicine, Faculty of Medicine, Complutense University of Madrid
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid
- ♦ PhD in Medicine, Extraordinary Award, Complutense University of Madrid
- ♦ Diploma in Biostatistics in Health Sciences, Autonomous University of Barcelona

**Dr. Marzo Alonso, Cristina**

- ♦ Head of the Hemostasis Unit of the Arnau de Vilanova University Hospital of Lleida
- ♦ Attending Physician of the Hematology and Hemotherapy Service of the Arnau de Vilanova University Hospital of Lleida
- ♦ Master in Anticoagulant Treatment with the qualification of Outstanding by the Universidad Católica San Antonio
- ♦ Master's Degree in Congenital and Acquired Coagulopathies from the University of Alcalá, Spain

**Dr. Perera Lluna, Alexandre**

- ♦ Physicist Specializing in Medical Technologies
- ♦ Leader of the Medical Technologies Research Group: Bioinformatics and Biomedical Signals
- ♦ Leader of the B2SLab Research Group
- ♦ Director of the Center for Biomedical Research of the Polytechnic University of Catalonia
- ♦ PhD in Physics
- ♦ Degree in Physics from the University of Barcelona

**Ms. Pina Pascual, Elena**

- ♦ Specialist in Hematology and Hemotherapy
- ♦ Attending Physician Assistant in the Thrombosis and Hemostasis Service, Bellvitge University Hospital
- ♦ Teacher in training courses on Thrombosis for doctors
- ♦ Member of the Working Committee on Thrombosis and Cancer of the Spanish Society of Thrombosis and Hemostasis

**Ms. Sabater Lleal, María**

- ◆ Researcher at the Sant Pau Biomedical Research Institute (IIB-Sant Pau)
- ◆ Researcher of the Genomics of Complex Diseases Group Sant Pau Hospital Research Institute (IIB Sant Pau) Hospital de la Santa Creu I Sant Pau Barcelona
- ◆ Senior Research Fellow at KI, Karolinska Institutet
- ◆ PhD in Genetics, University of Barcelona
- ◆ Specialist in Biomedicine
- ◆ Degree in Biology, University of Barcelona

**Dr. Vidal Pérez, Francisco**

- ◆ Head of the Laboratory of Congenital Coagulopathies of the Blood and Tissue Bank of Catalonia
- ◆ Director of the Diagnostic and Molecular Therapy Group at Vall d'Hebron Research Institute
- ◆ Researcher in national and European projects
- ◆ Co-author of numerous scientific publications
- ◆ PhD in Biochemistry and Molecular Biology and Genetics from the University of Barcelona
- ◆ Degree in Biology, University of Barcelona
- ◆ *Executive Master's Degree in Healthcare Organization by ESADE Business School*



**Dr. Esteve García, Anna**

- ◆ Genetic Consultant at Bellvitge University Hospital
- ◆ Genetic Consultant in NHS Greater Glasgow and Clyde
- ◆ Associate Researcher at the Department of Genetics and Microbiology of the Autonomous University of Barcelona
- ◆ PhD in Genetics and Microbiology at the Autonomous University of Barcelona
- ◆ Master's Degree in Genetics and Genomics from University of Glasgow and Clyde
- ◆ Master's Degree in Biomedical Translation from the Autonomous University of Barcelona
- ◆ Degree in Biochemistry from the Autonomous University of Barcelona

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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"*



05

# 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 Medicine.



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*This Postgraduate Certificate in Thrombosis in the Oncologic Setting contains the most complete and up-to-date scientific program on the market”*

## Module 1. Special Situations I: Thrombosis in Oncology

- 1.1. Epidemiology and Risk Factors
  - 1.1.1. Epidemiology
  - 1.1.2. Patient-Related Risk Factors
  - 1.1.3. Tumor-Related Risk Factors
  - 1.1.4. Treatment-Related Risk Factors
- 1.2. Thromboprophylaxis in Admitted Medical Oncology Patients
  - 1.2.1. Introduction
  - 1.2.2. Thromboprophylaxis in Admitted Medical Oncology Patients
- 1.3. Surgical Patient Prophylaxis
  - 1.3.1. Introduction
  - 1.3.2. Surgical Patient Prophylaxis
- 1.4. Thromboprophylaxis in Oncology Patients Receiving Systemic Therapy in an Outpatient Setting
  - 1.4.1. Introduction
  - 1.4.2. Thromboprophylaxis in Oncology Patients Receiving Systemic Therapy in an Outpatient Setting
- 1.5. Predictive Risk Models for Thrombosis
  - 1.5.1. KhoranaScore
  - 1.5.2. Others Predictive Risk Models
  - 1.5.3. Other Potential Applications of Predictive Risk Models
- 1.6. Initial Treatment of Cancer-Related Thrombosis
  - 1.6.1. Introduction
  - 1.6.2. Initial Treatment of Cancer-Related Thrombosis
- 1.7. Long-Term Treatment of Cancer-Related Thrombosis
  - 1.7.1. Introduction
  - 1.7.2. Long-Term Treatment of Cancer-Related Thrombosis
- 1.8. Predictive Models for Bleeding and Recurrence: Interactions of Direct Acting Oral Anticoagulants
  - 1.8.1. Predictive Models for Bleeding and Recurrence
  - 1.8.2. Interactions of Direct Acting Oral Anticoagulants





- 1.9. Antitumor Therapy and Risk of Thrombosis
  - 1.9.1. Chemotherapy
  - 1.9.2. Hormone Therapy
  - 1.9.3. Biological Drugs
  - 1.9.4. Immunotherapy
  - 1.9.5. Supportive therapy

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*This program will allow you to advance in your career comfortably”*



06

# 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.





# 06 Certificate

The Postgraduate Certificate in Thrombosis in the Oncologic Setting 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 program will allow you to obtain your **Postgraduate Certificate in Thrombosis in the Oncologic Setting** 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 Thrombosis in the Oncologic Setting**

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 quality  
development languages  
virtual classroom



## Postgraduate Certificate Thrombosis in the Oncologic Setting

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

# Postgraduate Certificate

## Thrombosis in the Oncologic Setting