Postgraduate Certificate
Revascularization Therapies in Acute Coronary Syndrome

tech technological university

tech technological university

Postgraduate Certificate

Revascularization Therapies in Acute Coronary Syndrome

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

Website: **www.techtitute.com/pk/medicine/postgraduate-certificate/revascularization-therapies-acute-coronary-syndrome**

Index

01 Introduction p. 4

02 Objectives p. 8

03 Course Management p. 12

04 Structure and Content p. 16

05 Methodology p. 20

06 Certificate p. 28

01

Introduction

Restoration of blood supply to the ischemic myocardium of a patient with acute coronary syndrome is essential to limit progressive damage, reduce ventricular irritability, and improve short- and long-term outcomes. That is why being up to date in Revascularization Therapies is essential for any physician who has to deal with clinical cases such as these in their day-to-day work. The aim of this degree is to help specialists keep up to date with the latest developments in medical treatment for patients with ACS. An online program, led by experts in cardiology and endorsed by TECH.

With this degree you will have access to 150 hours of theoretical and practical content on Revascularization Therapies in ACS selected by expert cardiologists and based on the latest developments in the sector"

The application of Revascularization Therapies in patients with Acute Coronary Syndrome has helped to improve the lives of millions of people. Advances in methods and drugs that are increasingly effective, but minimally invasive, have made it possible to guarantee, in most cases, the positive evolution of these patients in the short and long term, facilitating the work of specialists and allowing them to offer more hope to the people who, day after day, pass through their offices.

However, it is a challenge for physicians to keep up to date with these advances, since in most cases it is a complex task for them to combine their work and academic lives. This is the reason for this Postgraduate Certificate in Revascularization Therapies in Acute Coronary Syndrome, a complete program whose main objective is to bring you the most updated information on this cardiac condition, allowing you to get up to date without having to invest extra hours and in which the specialist organizes the study time based on their own availability.

This degree includes a tour of the different drug families (antianginal, antiplatelet and anticoagulant drugs) and mentions lipid-lowering therapy. It also describes when revascularization is indicated in these patients and the best method of revascularization depending on the patient's profile. Finally, it develops surgical and percutaneous revascularization techniques.

A unique opportunity to keep updated thanks to its content based on the most current scientific advances, which the graduate will have access 24 hours a day thanks to its convenient online format. In addition, you will have the support of a team of experts in cardiology, who will be at your disposal, not only for individualized tutorials, but also for a lot of complementary material with which you can continue delving deeper into each section of the program.

This **Postgraduate Certificate in Revascularization Therapies in Acute Coronary Syndrome** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of practical cases presented by experts in Cardiology
- 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

A 100% online program to update your knowledge on the most commonly used drugs in Revascularization Therapies: antianginal, antiplatelet and anticoagulants"

Through real clinical cases, the program places special emphasis on the most effective revascularization methods based on the patient's profile"

Learn about the most current concepts in surgical and percutaneous revascularization techniques from cardiology experts.

In the Virtual Classroom you will find detailed videos, readings, research articles and additional content to go deeper into each section.

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. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

02

Objectives

Since Revascularization Therapies are such an important topic in the treatment of Acute Coronary Syndrome, the main objective of this Postgraduate Course is to offer the physician the most complete and current program on the market, with which they can update and expand their knowledge in a short time and with optimal results. That is why TECH provides you with all the necessary tools to guarantee you an academic experience of the highest quality and with which you will be able to achieve all your goals.

The purpose of this Postgraduate Certificate is, in a nutshell, to help you get up to date without having to invest extra hours in complicated subjects and off-center programs"

General Objectives

- Develop an in-depth knowledge of Acute Coronary Syndrome (ACS) starting with its pathophysiology and its importance as one of the main causes of death in civilized countries
- Professionalize skills in the assessment and differential diagnosis of chest pain in the emergency department, understanding the value of the different complementary techniques available
- Adequately classify the patient's initial risk and the most appropriate prehospital treatment and monitor measures in the prehospital phase
- Internalize reperfusion therapies, their limitations, advantages and protocols, understand the great importance of ischemia time
- Diagnose and manage the mechanical and arrhythmic complications that can occur in this syndrome
- Implement appropriate treatment measures during the hospital phase and the value of Coronary Units
- Develop the value and structure of Cardiac Rehabilitation programs
- Understand the treatments that have provided value in secondary prevention of these patients

Specific objectives

- Delve into the different types of drugs used in the treatment of NSTEACS, which ones to use and for how long, with the exception of lipid-lowering drugs, which are reviewed in the prevention module
- Advise on the indications for revascularization of the patient with NSTEACS
- Control the different forms of revascularization possible and their respective advantages and disadvantages
- Master Percutaneous Revascularization Techniques
- Master the techniques of Surgical Revascularization

With this degree you will be able to achieve all your academic and professional goals"

03

Course Management

This Postgraduate Certificate is aimed at medical professionals. For this reason, we have selected the best team of specialists with expertise in different branches of cardiology and with a broad professional background, who, in addition, are actively working for major cardiac referral hospitals. This faculty will provide the content with a real and current vision of the subject and will guide the graduate throughout the academic experience.

The teaching team will be available to answer any questions you may have, as well as to present real case studies to better synthesize the content"

Management

Dr. Botas Rodríguez, Javier

- Head of Cardiology Service, Alcorcón Foundation of the HU
- Director of the Cardiac Catheterization Laboratory at the Alcorcón Foundation.University Hospital
- Director of the Cardiac Catheterization Laboratory at the Alcorcón Foundation.University Hospital
- Associate Professor of Cardiology of the Degree in Medicine at the Rey Juan Carlos University
- Doctorate in Medicine (Magna Cum Laude) from the Faculty of Medicine at the Autonomous University of Madrid
- Residency and specialization in Cardiology at the Gregorio Marañón University Hospital
- Postdoctorate in Interventional Cardiology from Stanford University

Professors

Dr. Hernando Marrupe, Lorenzo

- Interventional Cardiologist at the Fundación Alcorcón University Hospital
- FEA in Cardiology at the Prince of Asturias Hospital
- FEA in Cardiology at the San Carlos Clinical Hospital
- Author and co-author of numerous scientific publications
- PhD in Medicine from the Complutense University of Madrid

Seq 26 Exam 1
Frm 39
Custom1
Cardiac
Detail Norm
fps 15.0
Fluoro
Detail Norm
fps 15.0
FOV 12 cm
L 2 deg
RAO 2 deg
CRA 30 deg
79
124/113
118
0/ 0
0
183/ 82
111
0

04

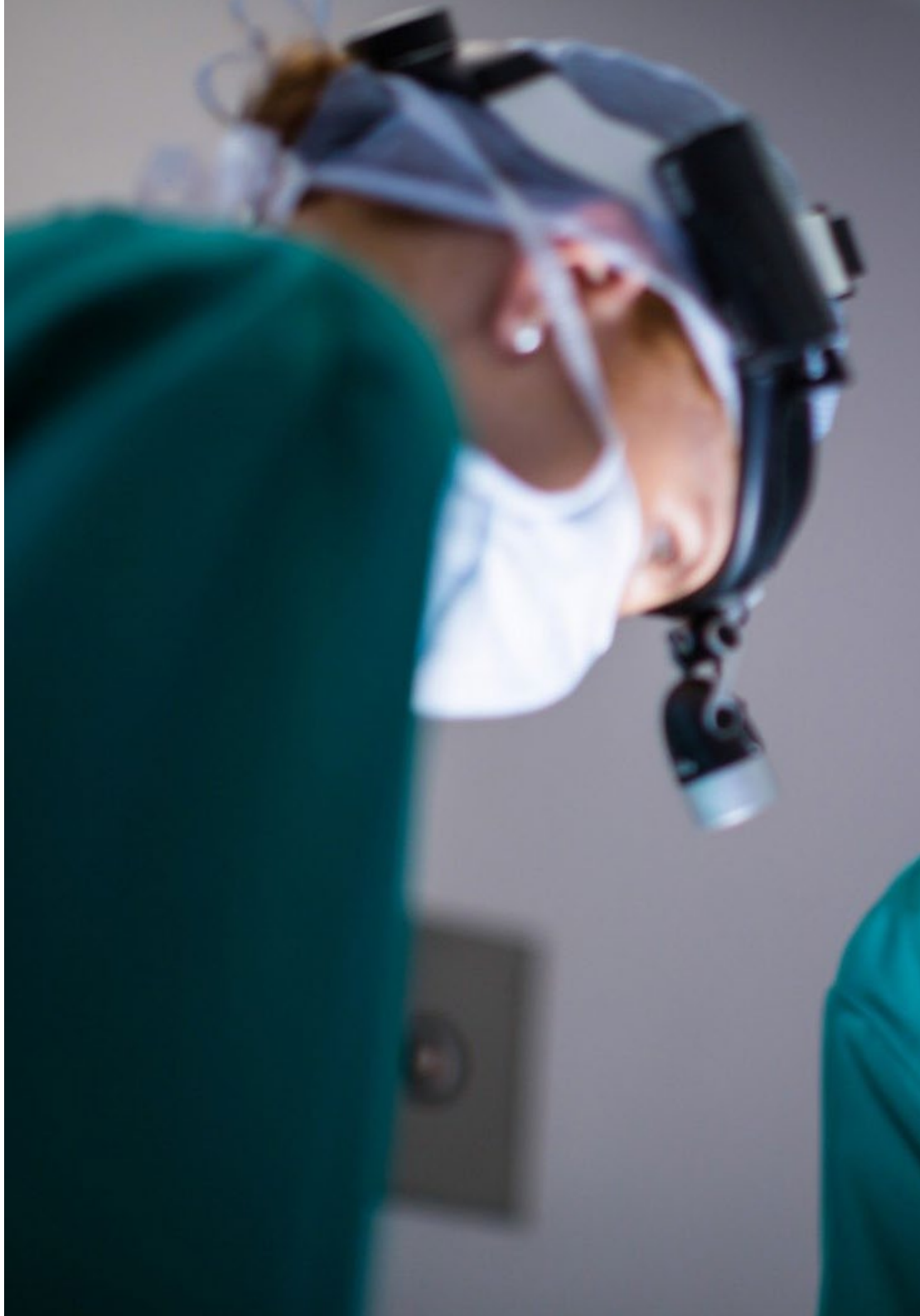
Structure and Content

Far from offering a purely theoretical and cumbersome program, this Postgraduate Certificate has been designed by the teaching team based on the latest scientific advances and following TECH's pedagogical guidelines, characterized by dynamism and practice. That is why the specialist will find in this degree the best and most updated content, accompanied by multimedia material (interactive summaries, research articles and real clinical cases) with which the teaching load will be reduced.

With this Postgraduate Certificate, its methodology and content, you will save study time, but you will obtain the best results"

Module 1. NSTEACS 3. Medical and Revascularization Treatment

1.1. General and Monitoring Measures
1.2. Anti-Anginal Drugs: Beta Blockers
1.3. Anti-Anginal Drugs: Nitrates and Calcium Antagonists
1.4. Planetary Antiaggregants Which Ones and For How Long?
1.5. Anticoagulant Drugs Which Ones, How Much and Why?
1.6. Indications for Coronary Angiography and Revascularization
1.7. When Is Surgical Revascularization Indicated, and When Is Percutaneous Revascularization Indicated?
1.8. Percutaneous Revascularization Techniques
1.9. Surgical Revascularization Techniques



You have the best opportunity to update and expand your knowledge with the best experts in cardiology, are you going to miss it?"

05

Methodology

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

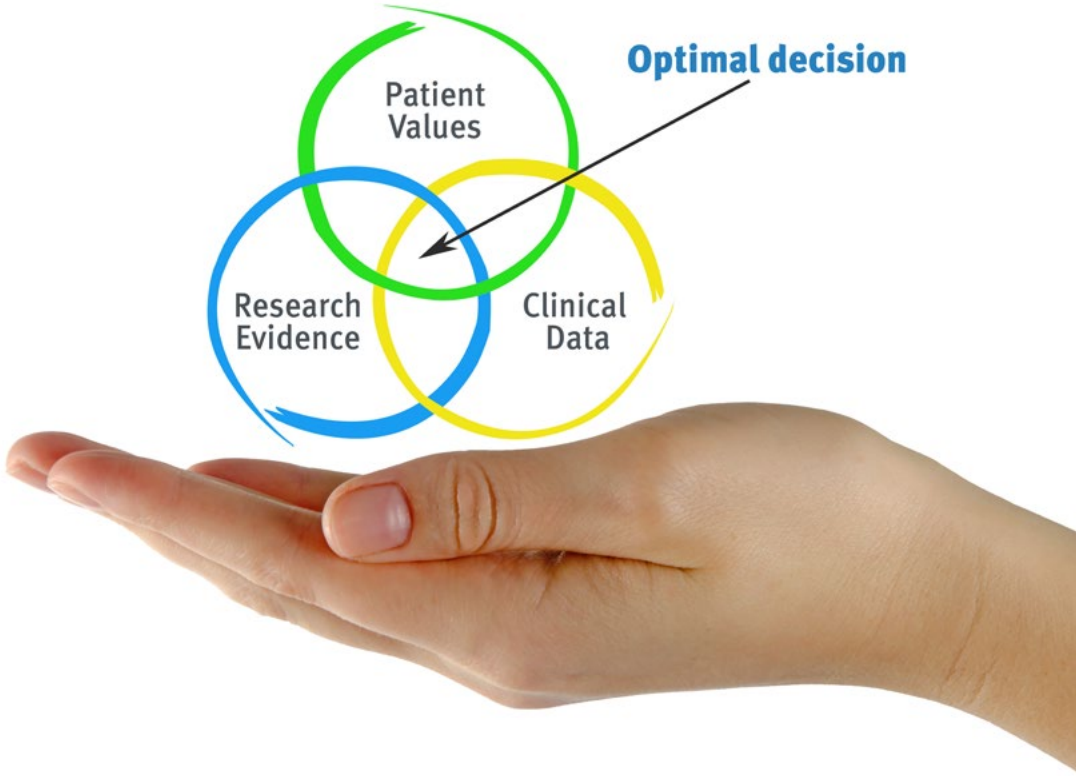
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

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:

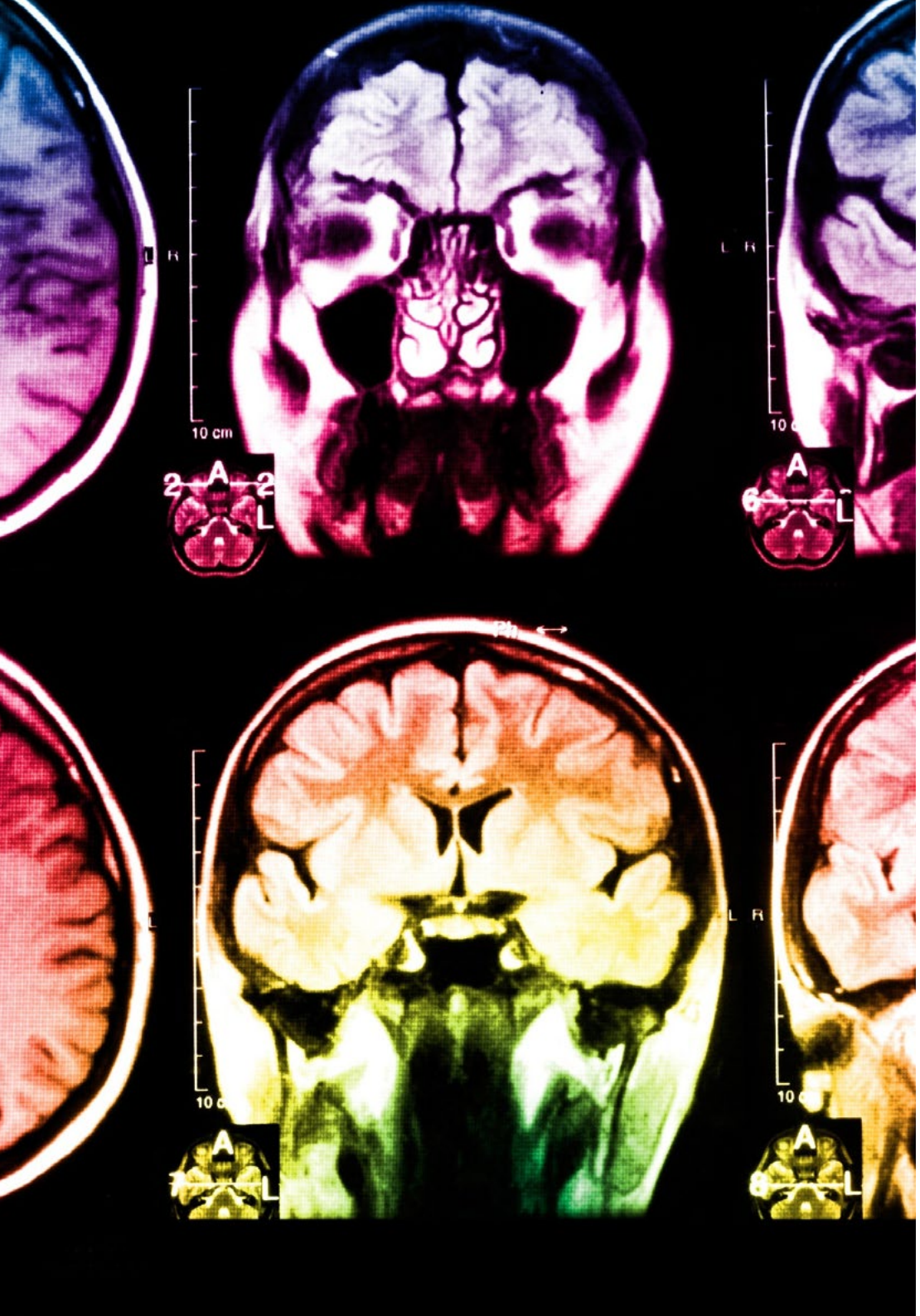
1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better 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.

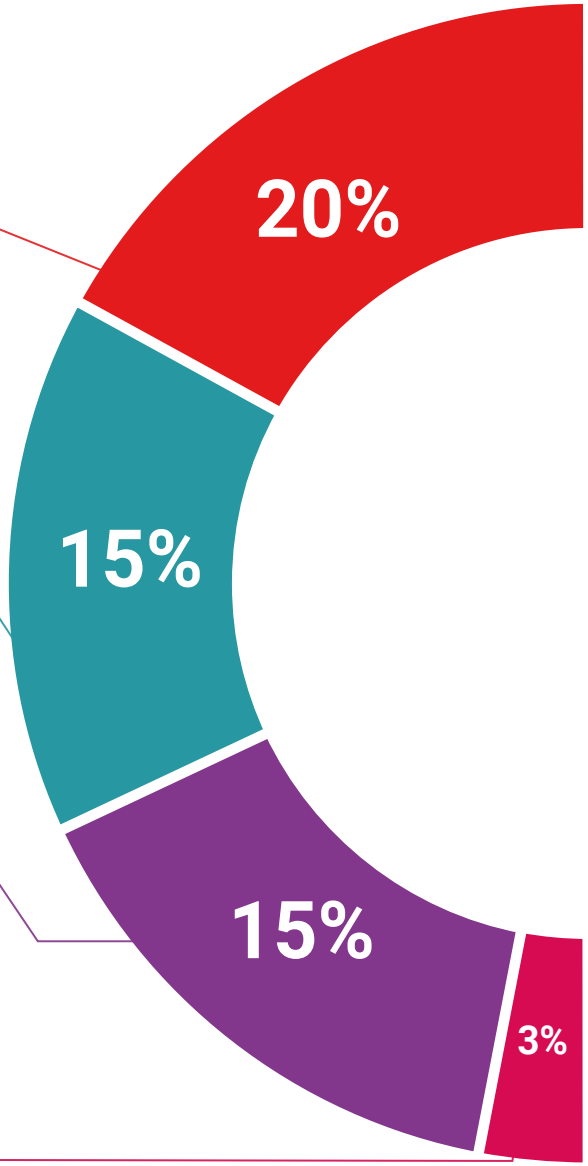
Interactive Summaries

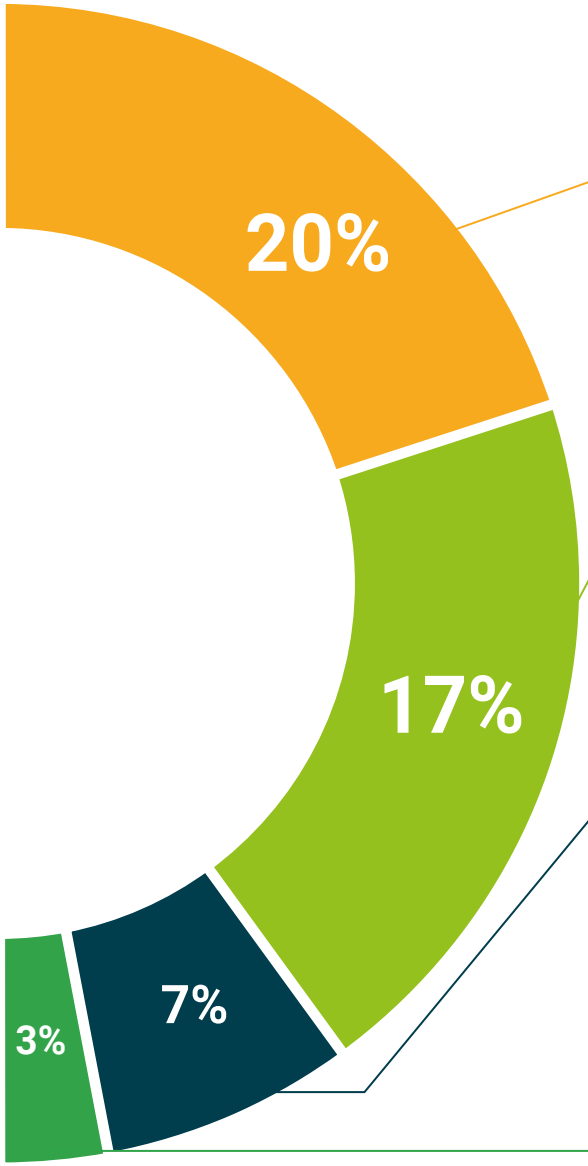
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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 Revascularization Therapies in Acute Coronary Syndrome guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.

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

This **Postgraduate Certificate in Revascularization Therapies in Acute Coronary Syndrome** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Revascularization Therapies in Acute Coronary Syndrome**

Official Nº of Hours: **150 h.**

tech technological university

Awards the following

CERTIFICATE

to

Mr./Ms. _____, with identification number _____.

For having passed and accredited the following program

POSTGRADUATE CERTIFICATE

in

Revascularization Therapies in Acute Coronary Syndrome

This is a qualification awarded by this University, equivalent to 150 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

Tere Guevara Navarro

Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

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

tech technological university

Postgraduate Certificate

Revascularization Therapies in Acute Coronary Syndrome

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

Postgraduate Certificate

Revascularization Therapies in Acute Coronary Syndrome

tech technological university