

Postgraduate Certificate Acute Evaluation of ACS Patients





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Course Modality: Online

Duration: 6 weeks

Certificate: TECH Technological University

Teaching Hours: 150 h.

Website: www.techtute.com/us/medicine/postgraduate-certificate-acute-evaluation-acs-patients

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01

Introduction

The development of imaging techniques in medicine has had a favorable impact on the diagnosis of patients with acute coronary syndrome. Their variety allows the specialists to obtain more concrete data on the consequences that this cardiac condition has produced in the person and, therefore, helps them to establish a more effective treatment. Keeping up to date with the latest developments in relation to these techniques, as well as controlling them in their entirety, is a complex task for physicians, who are increasingly looking for a program that provides them with all this knowledge, but with the possibility of being able to combine it with their working life. This program offers the graduates the opportunity they were looking for through a 100% online program that is complete and up-to-date based on the most modern scientific criteria.





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This course focuses on the control of imaging techniques in the evaluation of ACS patients without ST-segment elevation and their long-term prognosis”

Nowadays, imaging techniques applicable in medical protocols are varied and very effective. As far as cardiac conditions are concerned, the development of echocardiography or magnetic resonance imaging has brought with it the possibility for specialists to make more complete diagnoses when, for example, a patient has suffered an Acute Coronary Syndrome. In addition, these techniques will also provide data on the patient's evolution, allowing the physician to measure the efficacy of the treatment.

TECH has compiled the most up-to-date information on this subject in a Postgraduate Certificate. This program not only includes in its syllabus a section that delves into the usefulness of imaging techniques during the hospital phase and in the prognostic evaluation of the patient in the long term, but also delves into the emerging parameters that can be useful in this context. It also details the problem of patients with ischemic myocardial damage, but in whom there is no evidence of obstructive atherosclerotic coronary artery disease (MINOCA).

A program directed and designed by experts in cardiology in which the specialists will find not only the most cutting-edge content in the field, but also the most complete and varied complementary material of the moment with which to continue expanding their knowledge. In addition, the versatility provided by this online Postgraduate Certificate will allow you to distribute the 150 hours of the program according to your own time availability.

This **Postgraduate Certificate in Acute Evaluation of ACS Patients** 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 electronic device with an Internet connection



TECH provides you with the best content, but you decide when to connect and from which electronic device. In addition, you will have at your disposal the syllabus from day one"

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The teaching team will guide you, through their own experience in cardiac medicine, so that you can get the most out of this Postgraduate Certificate”

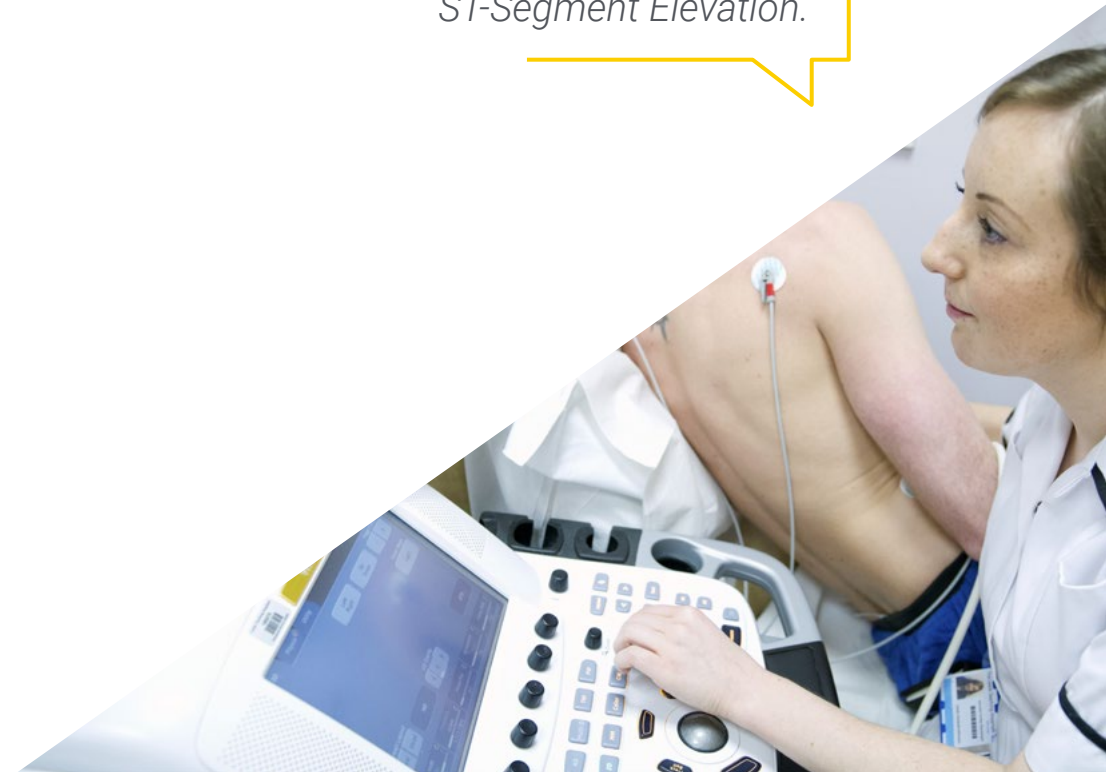
The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 professionals must try to solve the different professional practice situations that are presented throughout the program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

Learn about the latest developments related to the causes and prognosis of patients with MINOCA.

A 100% online program that delves, among other aspects, into the new techniques of myocardial deformation in ACS patients without ST-Segment Elevation.



02 Objectives

The information that currently exists related to Acute Coronary Syndrome is very extensive and varied. For this reason, TECH's objective with this Postgraduate Certificate is to create a program in which the specialists will find the most important and novel content that will allow them, not only to get updated in relation to the Acute Evaluation of these patients, but also to broaden their knowledge without the need to resort to other sources.





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The purpose of TECH is to guarantee the best possible educational experience, so that the graduates will finish this Postgraduate Certificate having achieved their own objectives”



General Objectives

- ◆ Delve into 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

- ◆ Monitor the usefulness of imaging techniques in the evaluation of patients with NSTEMI with suspected mechanical complications
- ◆ Monitor the usefulness of imaging techniques in the prognostic assessment of the patient with long-term NSTEMI
- ◆ Understand the new echocardiographic parameters that may be useful in the prognostic assessment of the patient
- ◆ Deepen the knowledge of MINOCA, patients with ischemic myocardial damage, but without evidence of obstructive epicardial coronary artery disease



Academic progress will be latent from day one thanks to the innovative Relearning methodology on which TECH bases its programs”

03

Course Management

TECH always seeks the best management and teaching team for its qualifications. This is why this Postgraduate Certificate in Acute Evaluation of ACS Patients will be directed by a group of doctors specialized in Cardiology with an extensive work experience in reference hospitals. In addition, another of the criteria taken into account by this University is the human quality and educational interest of the faculty, offering, with total guarantee, the opportunity for the specialists to broaden their skills with professionals committed to their improvement.



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The teaching team will present real clinical cases with which you will be able to put into practice the content developed during the program"

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. González Mansilla, Ana

- ♦ Attending Physician. in Cardiology at the Gregorio Marañón General University Hospital
- ♦ Medical Specialist, 12 de Octubre University Hospital
- ♦ PhD in Medicine and Surgery from the Complutense University of Madrid
- ♦ Member of: Cardiovascular Research Network of Gregorio Marañón Biomedical Research Foundation, Cardiovascular Research Network of the Carlos III Health Institute

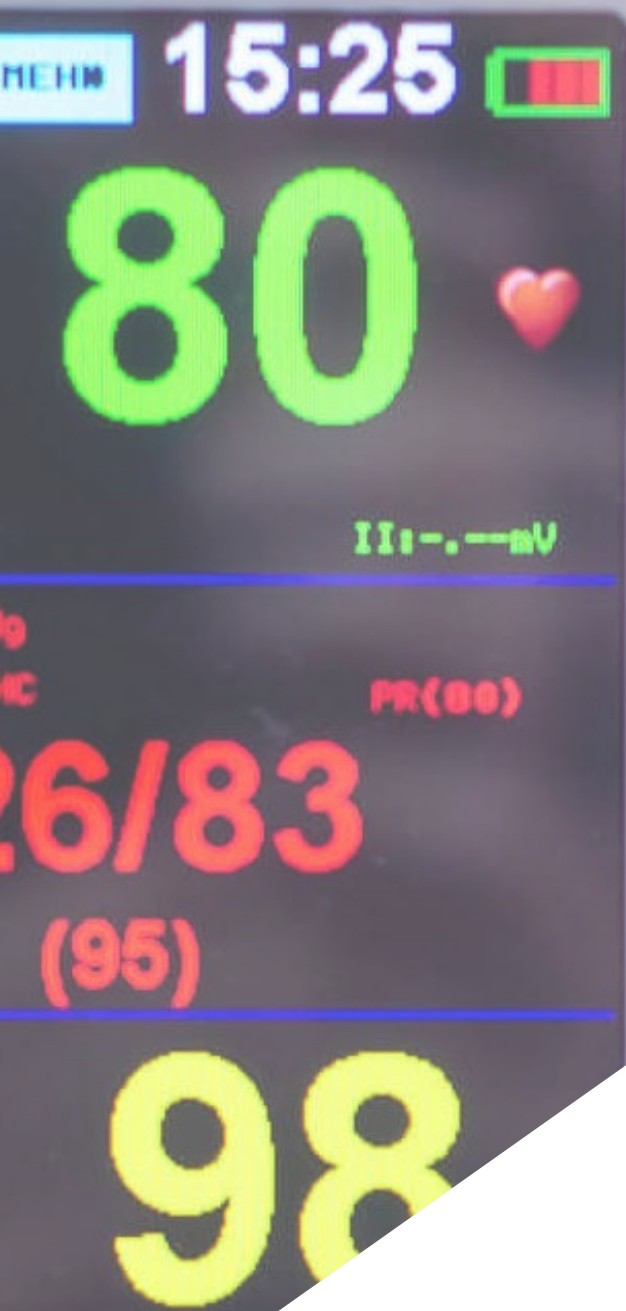


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Structure and Content

This course has been designed following the guidelines of the *Relearning methodology*. The most important concepts are reiterated throughout the syllabus, so that the graduates will not have to spend so much time memorizing concepts, since this technique allows a progressive and natural updating of knowledge. In addition, in order to further reduce the teaching load, TECH provides the specialists with high quality multimedia content, in addition to research articles and interactive summaries of each unit, which gives this program a practical character.



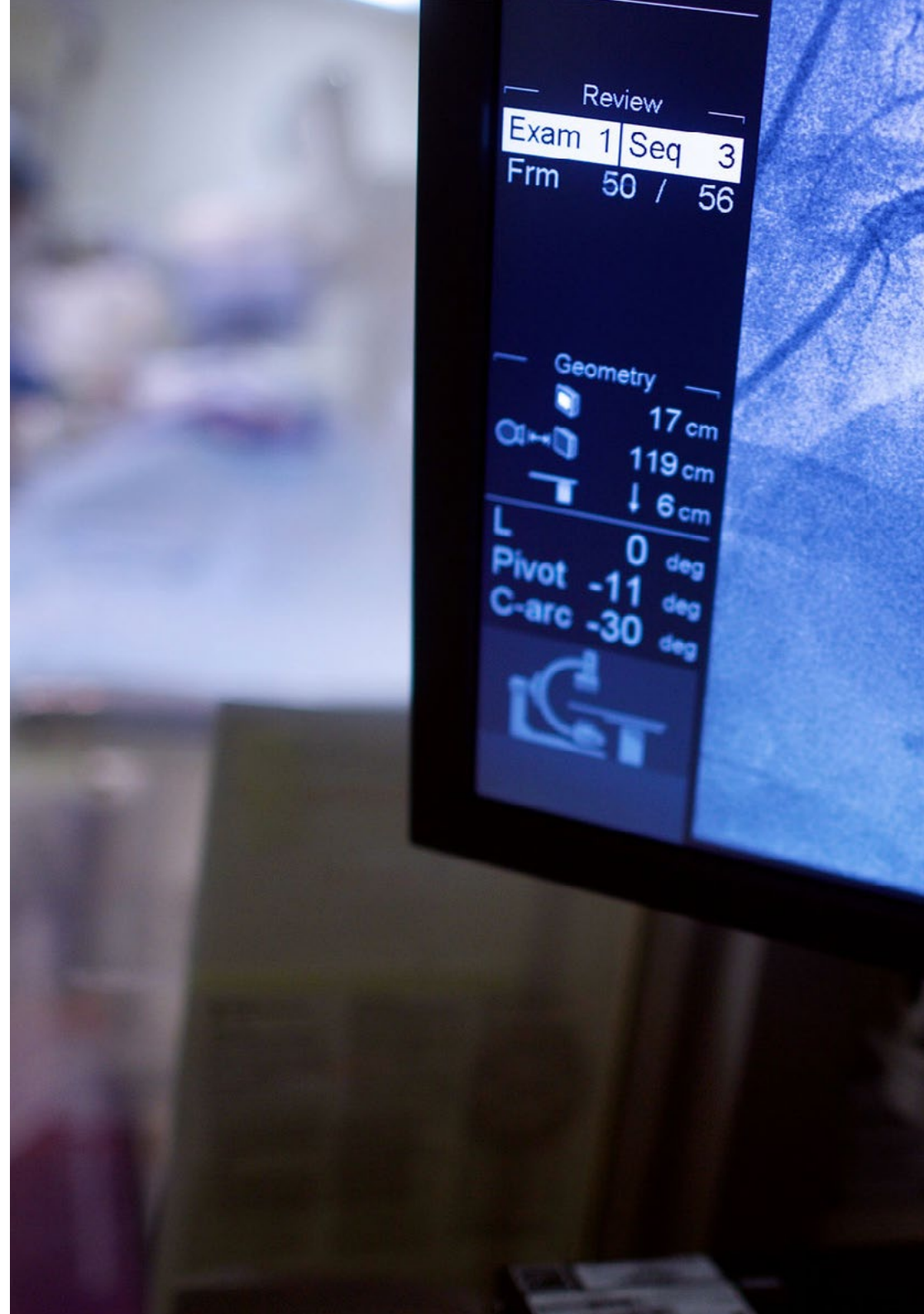


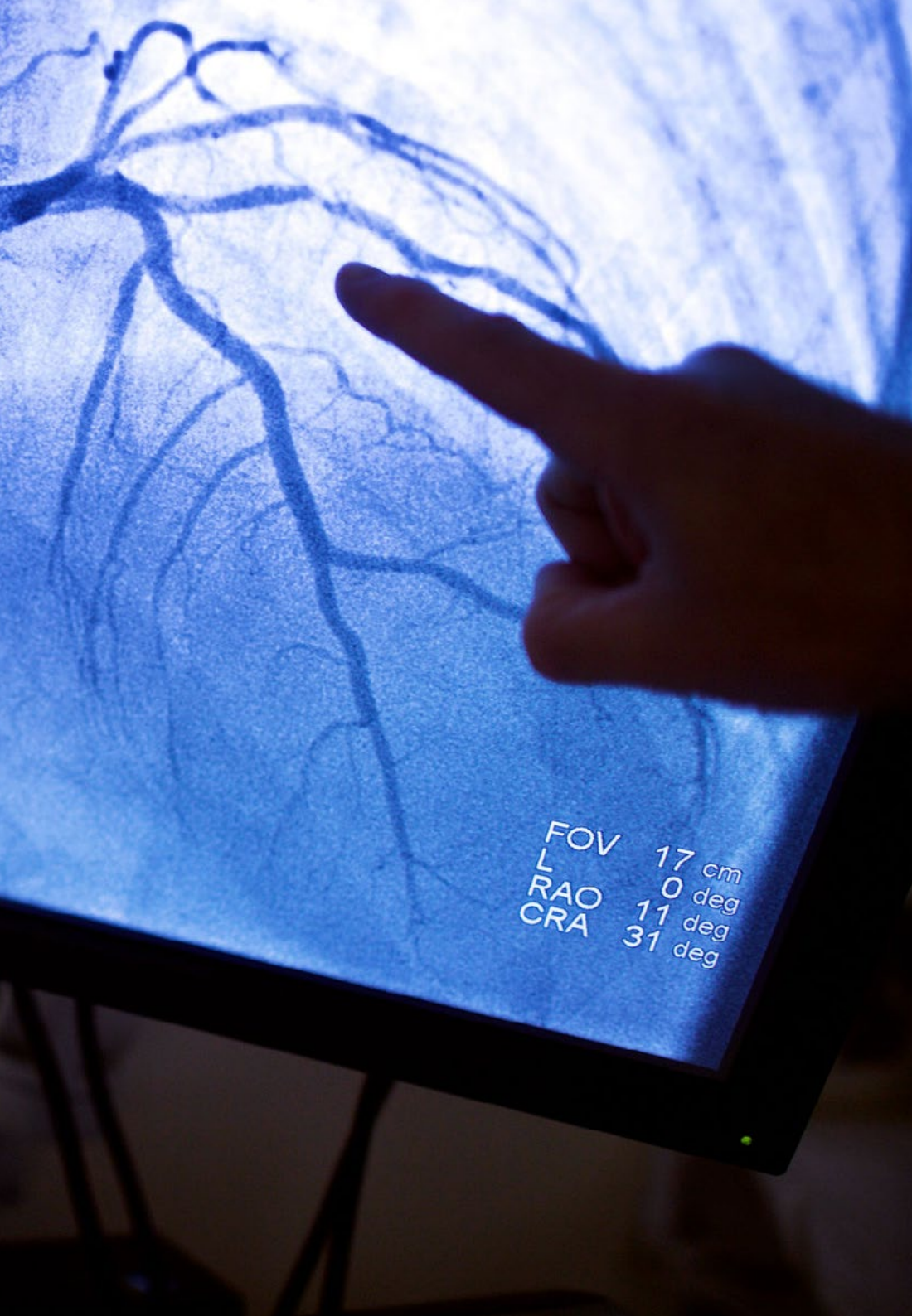
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You will be able to delve into the topics you wish thanks to the complementary material that you will find in the Virtual Classroom”

Module 1. NSTEACS 3. TTE and Other Imaging Tests in Acute Patient Assessment and in the Hospital Phase

- 1.1. CXR in NSTEACS
- 1.2. Value of Transthoracic Echocardiography in the Patient with NSTEACS
- 1.3. Transthoracic Echocardiographic Assessment of Mechanical Complications of NSTEACS
- 1.4. Echocardiographic Assessment of the Patient with Heart Failure or Cardiogenic Shock
- 1.5. Usefulness of Imaging Techniques in the Prognostic Assessment of the Patient with NSTEACS Diagnostic Assessment of Residual Ischemia and Myocardial Viability
- 1.6. New Techniques for Myocardial Deformation in NSTEACS
- 1.7. MINOCA Causes and Prognosis
- 1.8. Usefulness of MRI in Patients With Myocardial Damage Without Epicardial Coronary Disease
- 1.9. Assessment of Myocardial Perfusion by Contrast Echocardiography Correlation with Angiographic Findings





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TECH is committed to the career of the specialists and offers the best teaching team and the most complete and up-to-date content. Trust in TECH and you will reach your goals sooner than expected”

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.





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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 Acute Evaluation in ACS Patients guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Acute Evaluation of ACS Patients** 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 diploma 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 Acute Evaluation of ACS Patients**

Official N° of hours: **150 hours**.



*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION 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 language
virtual classroom



Postgraduate Certificate
Acute Evaluation of
ACS Patients

Course Modality: Online

Duration: 6 weeks

Certificate: TECH Technological University

Teaching Hours: 150 h.

Postgraduate Certificate

Acute Evaluation of ACS Patients