

Postgraduate Diploma

Life-Threatening Emergencies in Primary Care





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Life-Threatening Emergencies in Primary Care

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

Website: www.techtitute.com/in/medicine/postgraduate-diploma/postgraduate-diploma-life-threatening-emergencies-primary-care

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01

Introduction

Patients go to primary health care services in the first instance when they are in an emergency situation, especially because of the proximity of these services to their homes. It is essential that attending physicians be qualified and trained in the procedures for dealing with pathological processes that can compromise a patient's life. This program allows professionals to expand their knowledge in a practical way adapted to their needs.

Keeping up to date is key to providing better care to patients in life-threatening emergency situations in primary care.





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The new scenarios in emergency medicine motivate us to propose new specialization programs that meet the real needs of experienced professionals, so that they can incorporate advances in emergency care into their daily practice”

Emergency health care is an essential element in a health system, in which quality and ongoing care for individuals must be guaranteed. Primary care is the gateway to the health system, often receiving patients with potentially serious conditions that require immediate and complex treatment, often accompanied by minimal resources.

Considering the long hours that primary care physicians spend treating life-threatening emergencies, the importance they have, the current patient and professional demand for greater professional quality, more than justify that primary care physicians today should be able to intervene in all acute and urgent pathologies that may arise regardless of the level of severity. For this reason, the role of family physicians who treat life-threatening emergencies in primary care is crucial.

This program offers action rules for possible situations that can arise in practice on a regular basis, and will be able to help them make prompt and accurate decisions.

This Postgraduate Diploma in Life-Threatening Emergencies in Primary Care is the most complete and up-to-date scientific program on the market. The most important features of the program include:

- Clinical cases presented by experts in the different 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.
- Diagnostic and therapeutic developments in treating patients with urgent pathologies.
- Clinical practice guidelines on the different life-threatening pathologies.
- Presentation of practical workshops on procedures, diagnosis, and treatment techniques.
- 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.



This Postgraduate Diploma in Life-Threatening Emergencies in Primary Care is the most complete and up-to-date scientific program on the market"

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This Postgraduate Diploma may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge of Life-Threatening Emergencies in Primary Care, you will obtain a qualification from TECH - Technological University”

Forming part of the teaching staff is a group of professionals in the field of primary care, who bring to this specialization their work experience, as well as other renowned emergency specialists who belong to esteemed scientific communities.

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 an immersive training program to train in real situations.

This program is designed around Problem Based Learning, whereby the physician 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 primary care emergencies with extensive teaching experience.

Increase your decision-making confidence by updating your knowledge with this Postgraduate Diploma.

Don't miss the opportunity to update your knowledge of Life-Threatening Emergencies in Primary Care tools to increase the quality of patient care.



02 Objectives

The main program objective is to develop theoretical and practical learning, in order to acquire the necessary skills to establish the appropriate diagnosis and treatment in each case, and to correctly and safely provide medical care to patients with acute pathology in primary care.





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This refresher program will generate a sense of confidence in the medical practice of emergency situations in primary care, which will help you grow personally and professionally”



General Objective

- Provide action rules for dealing with the life-threatening emergencies that family physicians must face in their daily clinical practice, helping them to make prompt and accurate decisions.



Specific Objectives

- Define the structure and organization of emergency services in primary care.
- Describe the usefulness of medical history in the emergency department.
- Understand the most relevant legal and ethical aspects of health care in Primary Care emergencies.
- Address general procedure and technique management applied to critical patients in emergency situations.
- Define the different conditions that cause chest pain and apply the appropriate protocols in each case.
- Classify the different signs and symptoms typical of ischemic heart disease.
- Describe the comprehensive action plan in case of Stroke Code.
- Indicate the treatment of choice for atrial fibrillation according to the latest scientific evidence.





- ♦ Establish the signs and symptoms of a patient with pericarditis.
- ♦ Describe the different types headaches.
- ♦ Define the main gastrointestinal tract pathologies and related consequences.
- ♦ Specify the different manifestations resulting from biliary diseases.
- ♦ Perform and interpret electrocardiograms in emergency situations.
- ♦ Recognize high-risk syncope.
- ♦ Apply specific procedures for Acute Coronary Syndrome.
- ♦ Resolve a hypertensive emergency situation.
- ♦ Recognize coma situations.
- ♦ Differentiate the main causes of acute abdomen and manage acute abdominal pain in Primary Care.
- ♦ Recognize the pathophysiology of an intestinal obstruction process.
- ♦ Describe the specific pathological case of upper gastrointestinal bleeding.
- ♦ Recognize acute coronary syndrome with ST elevation and without ST elevation on the electrocardiogram.
- ♦ Define the etiology of syncope.
- ♦ Successfully resolve a hypertensive crisis.

03

Course Management

The program includes in its teaching staff renowned experts in emergency primary care, who have contributed their work experience to this specialization. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.





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Learn the latest advances in life-threatening emergencies in primary care from leading professionals”

Management

As National Director of Clinical Innovation at US Acute Care Solutions, Jesse M. Pines, M.D., is one of the most recognized figures in the Emergency Medicine and Healthcare Services field. In fact, his accomplishments include the creation and execution of the first governmental alternative payment model (ED EQUIP, in Maryland) to reduce the total cost of care. In addition, he leads the development and implementation of Telemedicine programs covering a wide variety of specialties, including the ER, Psychiatry and Intensive Care Units, among others.

His extensive experience in medical leadership, large database study design and Big Data research has led him to publish over 350 peer-reviewed articles and writing seven books in these areas. His work has been recognized internationally in various reputable media outlets, including TIME Magazine, the Wall Street Journal and Slate Magazine.

His more than two decades of experience have earned him several leadership positions at George Washington University. Among them, he was the Director of the Center for Health Innovation and Research, also leading the Research Fellowship program and the Center for Healthcare Quality.

Therefore, throughout his career, Dr. Jesse M. Pines has received multiple awards, both for the articles he has published and for his own work and contribution to the field of Emergency Medicine. He is also the Chair of the American College of Emergency Physicians (ACEP) Task Force on New Practice Models, holding various positions in ACEP, the Society for Academic Emergency Medicine and the American Academy of Emergency Medicine.



Dr. M. Pines, Jesse

- National Director of Clinical Innovation at US Acute Care Solutions, United States.
- Emergency Physician at Allegheny Health Network
- Professor of Emergency Medicine at The George Washington University, USA
- Professor of Emergency Medicine at Drexel University
- Director of the Medical Research Fellowship Program at The George Washington University
- Director of the George Washington University Center for Health Research and Innovation
- M.D., Georgetown University
- Master of Business Administration from Georgetown University
- M.S. in Clinical Epidemiology from the University of Pennsylvania

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Thanks to TECH, you will be able to learn with the best professionals in the world”

Management



Vicente Fco Roig D' Cunha-Kamath

- Degree in Medicine from the University of Valencia
- Specialist via MIR in Family and Community Medicine
- Assistant Physician of the Emergency Medicine Department at the Clinical University Hospital of Valencia.
- Professor of Human Anatomy at the European University of Valencia.
- Physician at the Valencia Health and Community Foundation.
- Doctor for the ASCIRES group

Professors

Dr. Brasó Aznar, José Vicente

- ◆ Hospital Emergency Physician
- ◆ Associate Professor of Emergency Medicine at the Faculty of Medicine of the University of Valencia.
- ◆ Department Head. Emergency Medicine. Ribera University Hospital



04

Structure and Content

The content structure has been designed by a team of professionals who recognize the implications of specialization in good medical practice in life-threatening emergencies in primary care, who are aware of the relevance of current knowledge in order to be able to treat emergency patients, and who are committed to quality teaching through new educational technologies.





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This Postgraduate Diploma in Life-Threatening Emergencies in Primary Care is the most complete and up-to-date scientific program on the market”

Module 1. Organizational Aspects of the Emergency Department

- 1.1. Organization of the Emergency Department in Primary Care Adequate Stocking of First Aid Kits
- 1.2. Role of the Healthcare Professional in Primary Care Emergencies
- 1.3. Medicolegal Management Issues in Primary Care Emergency Departments

Module 2. Cardiac Emergencies

- 2.1. Workshop: Reading and Interpreting an Electrocardiogram
- 2.2. Syncope
- 2.3. Acute Chest Pain
- 2.4. Acute Coronary Syndrome:
 - 2.4.1. Non-ST-Elevation Acute Coronary Syndrome (NSTEMI)
 - 2.4.2. ST-Elevation Acute Coronary Syndrome (STEMI)
 - 2.4.3. The Heart Attack Code
- 2.5. Atrial Fibrillation
- 2.6. Pericarditis
- 2.7. Hypertensive Crisis
- 2.8. Acute Heart Failure
- 2.9. Acute Pulmonary Edema
- 2.10. Shock
- 2.11. Positive Ventilation Workshop: Boussignac CPAP



Module 3. Advanced Cardiovascular Support and Invasive Techniques in the Emergency Room

- 3.1. Basic Vital Support:
 - 3.1.1. Basic Life Support with Automatic External Defibrillator.
 - 3.1.2. Foreign Object Airway Obstruction.
- 3.2. Action in Response to Bradyarrhythmias.
- 3.3. Action in Response to Tachyarrhythmias.
- 3.4. Advanced Vital Support:
 - 3.4.1. Advanced Airway Management
 - 3.4.2. Arrhythmia Treatment.
 - 3.4.3. Infusion Routes and Drugs
 - 3.4.4. Rapid Intubation Sequence Workshop.
- 3.5. Invasive Procedures and Techniques in the Emergency Department:
 - 3.5.1. External Pacemaker.
 - 3.5.2. Electrical Cardioversion.
 - 3.5.3. Defibrillation in Emergencies.
- 3.6. Workshop: Echocopy Management in the Emergencies.
- 3.7. Basic and Advanced Pediatric Life Support:
 - 3.7.1. Basic Pediatric Life Support.
 - 3.7.2. Airway and Ventilation in Pediatrics.
 - 3.7.3. Infusion Routes and Drugs, Diagnosis and Treatment of Arrhythmias.
 - 3.7.4. Neonatal Resuscitation.

Module 4. Pneumological Emergencies

- 4.1. Acute Dyspnea
- 4.2. Acute Chronic Obstructive Pulmonary Disease (COPD).
- 4.3. Acute Bronchial Asthma.
- 4.4. Pneumonia
- 4.5. Pneumothorax
- 4.6. Pulmonary Thromboembolism (PTE).
- 4.7. Hemoptysis.
- 4.8. Workshop: Non-Invasive Mechanical Ventilation. BIPAP

Module 5. Neurological Emergencies

- 5.1. Acute Confusional Syndrome.
- 5.2. Stroke.
- 5.3. Seizures.
- 5.4. Headaches.
- 5.5. Central Nervous System (CNS) Infections.
- 5.6. Coma.

Module 6. Digestive Emergencies

- 6.1. Acute Abdominal Pain
- 6.2. Intestinal Obstruction
- 6.3. Acute Gastroenteritis.
- 6.4. Acute Pancreatitis.
- 6.5. Acute Biliary Disease.
- 6.6. Acute Gastrointestinal Bleeding.
- 6.7. Proctology Emergencies.

Module 7. Pharmacology in Emergencies

- 7.1. Pain Management
- 7.2. Sedoanalgesia in Emergencies.
- 7.3. Adverse Effects to Medications.



A unique, key, and decisive master's degree experience to boost your professional development"

05

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.



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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 an abundance of 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.

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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 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 really 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 difficult future 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.



06

Certificate

The Postgraduate Diploma in Life-Threatening Emergencies in Primary Care guarantees, in addition to the most accurate and up-to-date specialization, access to a qualification issued by **TECH - Technological University**.



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

This **Postgraduate Diploma in Life-Threatening Emergencies in Primary Care** is the most complete and up-to-date scientific program on the market.

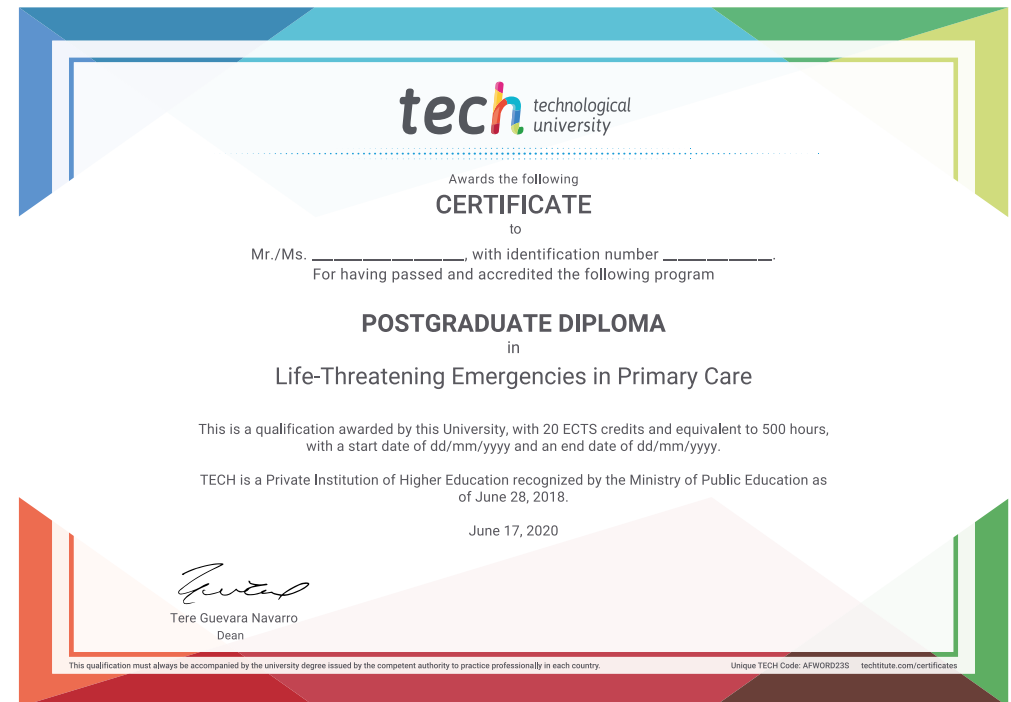
After the student has passed the evaluations, they will receive their corresponding certificate issued by **TECH - Technological University** via **tracked delivery**.

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

Title: Postgraduate Diploma in Life-Threatening Emergencies in Primary Care

ECTS: 20

Official Number of Hours: 500



*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 certificate.

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



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