

Postgraduate Certificate

Public Health and Infectious Disease in the Emergency Room



Postgraduate Certificate

Public Health and Infectious Disease in the Emergency Room

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/public-health-infectious-disease-emergency-room

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01

Introduction

Highly contagious infectious diseases, which can affect a large number of the population, require specific action protocols to be carried out by healthcare professionals. These Public Health measures must be complied with 100%, as this is the only way to protect both patients and healthcare workers. To enhance your training in this field, TECH offers this comprehensive program on Public Health and Infectious Disease in the Emergency Room.





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Continuing your training while you work will allow you to update your knowledge with key developments in the field so that you can provide quality care to your patients"

The objective of this Postgraduate Certificate in Public Health and Infectious Disease in the Emergency Room is to offer high-level studies to physicians who wish to specialize in this type of pathologies and who, due to the circumstances of their profession, need to react quickly to possible infectious diseases that affect a large number of the population. It should be kept in mind that infectious diseases can become a serious problem for society, and public health measures should be taken to curb the spread of such diseases.

Therefore, this program has been designed to offer extensive knowledge in this field, so that professionals know how to act at all times. More specifically, the syllabus deals with aspects as varied as: isolation protocols, notifiable diseases and urgent notification to Public Health or epidemiological outbreaks, among other aspects.

Thus, this very complete training, which has been developed by a team of specialists in the field, will help students to improve their professional skills, obtaining a superior training that will allow them to achieve professional success.

In addition, as it is a 100% online training, the professional will have the ability to decide when and where to study, without constraints or obligations, thus being able to combine their study time with the rest of their daily commitments.

This **Postgraduate Certificate in Public Health and Infectious Disease in the Emergency Room** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ Practical cases presented by experts in the subject
- ♦ The graphic, schematic, and eminently practical contents with which they are created, provide scientific and healthcare training on those disciplines that are essential to professional practice.
- ♦ Therapeutic innovations in the intervention of infectious diseases
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Special emphasis on research 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 high-level specialization for professionals seeking to achieve professional success"

“ *This Postgraduate Certificate is the best investment you can make when choosing a refresher program for two reasons: In addition to expanding your knowledge in Public Health and Infectious Disease in the Emergency Room, you will obtain a qualification issued by TECH*”

The teaching staff includes professionals from the field of medicine, who bring their experience to this training program, as well as renowned specialists from leading scientific societies.

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 experience designed to train for real-life 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 academic year. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in the field of Public Health and Infectious Disease with extensive teaching experience.

Increase your decision-making confidence by updating your knowledge through this Postgraduate Certificate.

We offer you the best teaching methodology and multitude of practical cases that will make it more simple for you to study.



02

Objectives

The Postgraduate Certificate in Public Health and Infectious Disease in the Emergency Room is designed to facilitate the work of physicians in the treatment of infectious diseases in all areas, but above all, in the Emergency Department.



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Update your knowledge with the use of the latest educational technology, to contribute with quality and confidence to decision making and patient care”



General Objectives

- Provide the theoretical knowledge necessary to understand the environment in which professional care is given to patients with infectious diseases
- Provide the appropriate treatment in the different cases of infectious diseases.
- Gain in-depth understanding of the areas in which professionals must be trained, in order for them to be able to provide the best practice when treating infectious diseases.



Make the most of the opportunity and take the step to get up-to-date on the latest developments in Respiratory and Infectious Disease Infections in the Emergency Room”





Specific Objectives

- Describe the action protocols in cases of specific exposure.
- Describe the established isolation protocols.
- Explain the current indications of exclusion or isolation.
- Describe notifiable diseases.
- Explain the procedure for emergency declaration to Public Health.
- Describe the action protocol for epidemiological outbreaks.
- Describe imported pathology as well as pathology with high contagious capacity.
- Describe the seasonal epidemiological parameters in the most common infections in the community.
- Explain epidemic outbreaks and common sources with punctual, continuous, propagative and mixed exposure.
- Define the post-exposure prophylaxis that is initiated in the emergency department.
- Describe the process to follow in the case of Bacterial Meningitis.
- Describe the process to follow in the case of HIV Infection.
- Describe the process to follow in the case of Sexual Assault.
- Describe the process to follow in the case of Rabies.

03

Course Management

The program's teaching staff includes leading specialists in infectious diseases and other related areas, who bring their years of work experience to this training program. 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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We have the best professionals in infectious diseases on the current scene. Don't miss the opportunity to train with them"

Management



Dr. García del Toro, Miguel

- ♦ PhD in Medicine from the University of Valencia
- ♦ Head of the Infectious Diseases Service at the General University Hospital Consortium of Valencia.
- ♦ 50 national and international publications in journals and books, 33 of them indexed in Pubmed and/or Scopus
- ♦ President Congress of the National Group for the Study of Hepatitis of the Society for Infectious Diseases and Clinical Microbiology 2017
- ♦ More than 200 communications in National and International Congresses in the specialty of Infectious Diseases, HIV and Viral Hepatitis
- ♦ Head Researcher of some twenty Clinical Trials and/or Research Projects



Ms. García Rodríguez, Magdalena

- ♦ Degree in Medicine and Surgery
- ♦ Specialist in Internal Medicine
- ♦ Attending Physician in the Infectious Diseases Unit and the Consorcio General Hospital Valencia
- ♦ Head of the International Health and Travel Advice Section
- ♦ Author of several publication and research projects
- ♦ Founding member and advisor of the Chagas Disease Association of the Valencian Community
- ♦ Member of a vaccine study group for the Spanish Society of Infectious Diseases and Clinical Microbiology.
- ♦ Member of a Malaria study group for the Spanish Society of Infectious Diseases and Clinical Microbiology.



Ms. Ricart Olmos, María del Carmen

- ◆ Degree in Medicine and Surgery
- ◆ Specialist in Internal Medicine
- ◆ Attending Physician in the Infectious Diseases Unit and the Consorcio General University Hospital, Valencia
- ◆ Author of several publication and research projects
- ◆ Editor of the Consensus Document on Age and Human Immunodeficiency Virus Infection Expert Group of the Secretariat of the National AIDS Plan (SPNS), Spanish Society of Geriatrics and Gerontology (SEGG)
- ◆ Master's Degree in Infectious Diseases in Intensive Care

04

Structure and Content

The structure of the contents has been designed by a team of professionals from the best hospitals and universities in the country, who are aware of the relevance of up-to-date training to be able to intervene in the diagnosis, treatment and monitoring of Infectious Diseases in the Emergency Department, and are committed to quality teaching through new educational technologies.





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This Postgraduate Certificate contains the most complete and up-to-date scientific program on the market”

Module 1. Public Health and Infectious Disease in the Emergency Room

- 1.1. Emergency Department Personnel
 - 1.1.1. Initial Assessment
 - 1.1.2. Vaccines
 - 1.1.3. Action Protocols in Cases of Specific Exposure
- 1.2. Established Protocols of Isolation
 - 1.2.1. Types of Transmission and Methods of Isolation
 - 1.2.2. Special Situations
- 1.3. Notifiable Diseases and Urgent Declaration to Public Health
 - 1.3.1. Concept of Notifiable Diseases
 - 1.3.2. Surveillance of Notifiable Diseases
- 1.4. Special Situations
 - 1.4.1. Annual Flu
 - 1.4.2. Epidemiological Outbreaks
 - 1.4.3. Imported Pathology. Possibility of Pathology with High Contagious Capacity
- 1.5. Update on Epidemiological Outbreaks
 - 1.5.1. Seasonal Epidemiological Parameters in the Most Common Infections in the Community
 - 1.5.2. Epidemic Outbreak and Types of Source
- 1.6. Post-Exposure Prophylaxis That is Initiated in the Emergency Department
 - 1.6.1. Bacterial Meningitis
 - 1.6.2. HIV Infection
 - 1.6.3. Sexual Assault
 - 1.6.4. Rabies





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

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 Harvard 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 Public Health and Infectious Disease in the Emergency Room guarantees, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Technological University.



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*Successfully complete this training program
and receive your university certificate without
travel or laborious paperwork"*

This **Postgraduate Certificate in Public Health and Infectious Disease in the Emergency Room** 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 Public Health and Infectious Disease in the Emergency Room**

Official N° of Hours: **125 hours**.



health future
confidence people
education information tutors
guarantee accreditation teaching
institutions technology



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