

Postgraduate Certificate

Imported Infectious Diseases in the Emergency Room





Postgraduate Certificate Imported Infectious Diseases in the Emergency Room

- » Modality: online
- » Duration: 8 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/in/medicine/postgraduate-certificate/imported-infectious-diseases-emergency-room

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01

Introduction

There are infectious diseases that, until a few years ago, were restricted to certain countries, making their diagnosis in the rest of the world practically impossible. However, globalization and the possibility of being able to travel to practically any corner of the planet has also led to the mobilization of diseases. Therefore, emergency physicians, at this time, may have among their patients people with diseases that they have not seen before in their professional practice, and for which they need a high level of specialization. With this program we want to offer you the opportunity to increase your knowledge of the main imported infectious diseases, so that you will be able to treat them with total guarantees of success.



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Physicians with extensive knowledge of imported infectious diseases will be more likely to be successful in diagnosing and treating them"

The objective of this Postgraduate Certificate on Imported Infectious Diseases in the Emergency Room is to provide physicians with high-level training with which they can specialize in this type of pathologies, which are not common either in Primary Care or in Emergency Departments. The shortage of cases of this type of disease is what makes higher training in the field necessary, since, with the evolution of tourism and mobility, at any time they may have a rare case in their country on their hands, which they will have to treat with total security.

This course deals in depth with the professional's actions when facing infectious diseases in the Emergency Room from the point of view of early diagnosis and treatment, often empirical, but we will also include an update on imported pathology, especially in those entities that require urgent action and/or present a potential transmission capacity in our environment.

And, of course, the focus is on the main diseases affecting both residents traveling to exotic locations and immigrants moving to other places, with a focus on tropical diseases such as malaria.

On the other hand, being a 100% online training, the professional will have the ability to decide when and from where to study, without commitments or obligations, thus being able to combine their study time with the rest of their daily obligations.

This **Postgraduate Certificate in Imported Infectious Diseases 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:

- ♦ Clinical symptom cases presented by experts in Imported infectious diseases
- ♦ 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
- ♦ Therapeutic developments on intervention in these diseases
- ♦ Practical exercises where the self-assessment process can be carried out 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 academic training that has been designed to specialize you in this area of practice, improving the care of your patients"

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This Postgraduate Certificate is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge of imported infectious diseases in the emergency room, you will obtain a Postgraduate Certificate from: TECH”

Its teaching staff includes a professionals from the field of medicine, who bring the experience of their work to this training, as well as recognised 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 professionals in Imported Infectious Diseases in the Emergency Room with extensive teaching experience.

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

Take the opportunity to learn about the latest advances in Imported Infectious Diseases in the Emergency Room and improve your patient care.



02 Objectives

The Postgraduate Progression in Infectious Diseases in the Emergency Room is designed to facilitate the performance of the Nurse dedicated to the treatment of infectious diseases in all areas, but above all, in the Emergency Room.



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We offer you a complete program that will allow you to update in a comfortable way and with total guarantees of success"



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

Acquire the most updated knowledge in this field of work and apply advanced protocols in this intervention in your day-to-day work.





Specific Objectives

- Define the concept of globalization and emerging pathology
- Define the geography of the tropical infectious diseases
- Explain the epidemiology of tropical infectious diseases in travelers, immigrants and VFRs
- Explain the anamnesis of a traveler with fever in the emergency department
- Explain the possible causes of fever after staying in a tropical or or subtropical area
- Perform syndrome classification of imported infectious pathology
- Define imported tropical infectious diseases of special interest

03

Course Management

The program's teaching staff includes leading specialists in Infectious Diseases in the Emergency Room 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 a team of professionals with extensive experience that will help you during your training process”

Management



García del Toro, Miguel

- PhD in Medicine from the University of Valencia
- Head of the Infectious Diseases Service at the Consortium General University Hospital in 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 to National and International Congresses in the specialty of Infectious Diseases, HIV and Viral Hepatitis.
- Principal Investigator of some thirty Clinical Trials and/or Research Projects and collaborating researcher.



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.



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, aware of the relevance of current training to intervene in the treatment and monitoring of imported infectious diseases in the emergency room and committed to quality teaching through new educational technologies.



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This course contains the most complete and up-to-date scientific program on the market"

Module 1. Imported Infectious Diseases in the Emergency Room

- 1.1. Introduction to Imported Pathology
 - 1.1.1. Imported Pathology of Special Interest
 - 1.1.1.1. Chagas' Disease
 - 1.1.1.2. Dengue.
 - 1.1.1.3. Chikungunya
 - 1.1.1.4. Malaria.
- 1.2. Globalization and Emerging Pathology
 - 1.2.1. Emerging and Reemerging Diseases.
 - 1.2.2. Main Causes of Emergency in Infectious Diseases.
 - 1.2.3. Transmission.
 - 1.2.4. Zoonosis:
 - 1.2.5. Future Previsions.
- 1.3. Geography of Tropical Infectious Diseases
 - 1.3.1. Subspecialties of Medical Geography
 - 1.3.2. Relevance and Relationship to Tropical Diseases
 - 1.3.3. Main Infectious Diseases According to Area
- 1.4. Epidemiology of Tropical Infectious Diseases in Travelers, Immigrants and VFR
 - 1.4.1. Importance
 - 1.4.2. Epidemiological Characteristics of Immigrants
 - 1.4.3. Epidemiological Characteristics of People Traveling to the Tropics
 - 1.4.4. Epidemiological Characteristics of VFRs
 - 1.4.5. Data on Imported Pathology in Spain
- 1.5. Anamnesis of a Traveler with Fever in the Emergency Room
 - 1.5.1. Initial Approximation of a Traveler with Fever
 - 1.5.2. Differential Diagnosis
 - 1.5.3. Treatment of a Traveler with Fever
- 1.6. Fever After Staying in a Tropical and / or Subtropical Area
 - 1.6.1. Importance of Good Anamnesis
 - 1.6.2. Investigation of Possible Vectors
 - 1.6.3. Fever of Parasitic Origin
 - 1.6.4. Fever of Viral Origin
 - 1.6.5. Fever of Bacterial Origin
 - 1.6.6. Other Causes of Fever



- 1.7. Imported Infectious Pathology Syndrome Classification
 - 1.7.1. Fever and Cutaneous Lesion
 - 1.7.2. Fever and Altered Level of Consciousness
 - 1.7.3. Fever and Liver Problems
 - 1.7.4. Fever and Respiratory Semiology
 - 1.7.5. Fever and Digestive Semiology
- 1.8. Imported Tropical Infectious Diseases of Special Interest:
 - 1.8.1. Malaria
 - 1.8.2. Arbovirus: Dengue, Zika, Chikungunya
 - 1.8.3. MERS Coronavirus (MERS CoV)
 - 1.8.4. Schistosomiasis
 - 1.8.5. Invasive Enteritis (Salmonella, Shigella, E.coli, Campylobacter)
 - 1.8.6. Hemorrhagic Fevers (Ebola, Lassa, Marburg, Yellow Fever, Crimean-Congo)



A unique, key, and decisive training 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 abundant 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 highly 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 & Re-testing

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 future difficult 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 Certificate in Imported Infectious Diseases in the Emergency Room** guarantees you, in addition to the most accurate and up-to-date training, access to a Postgraduate Certificate issued by **TECH Technological University**.





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

This **Postgraduate Certificate in Imported Infectious Diseases in the Emergency Room** contains the most complete and up-to-date program on the market..

After students have passed the evaluations,they will receive their corresponding Postgraduate Certificate issued by **TECH Technological Univeristy**.

The certificate issued by **TECH Technological University** will express the qualification obtained in the Course, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional careers evaluation committees.

Title: **Postgraduate Certificate in Imported Infectious Diseases in the Emergency Room**

Official Number of Hours: **125**



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

tech technological
university

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- » Modality: **online**
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Imported Infectious Diseases in the Emergency Room