

# Postgraduate Certificate

## Infections in International Travel



## Postgraduate Certificate Infections in International Travel

Course Modality: Online

Duration: 4 weeks

Certificate: TECH Technological University

3 ECTS Credits

Teaching Hours: 75 hours.

Website: [www.techtitute.com/medicine/postgraduate-certificate/postgraduate-certificate-infections-international-travel](http://www.techtitute.com/medicine/postgraduate-certificate/postgraduate-certificate-infections-international-travel)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Structure and Content

---

*p. 12*

04

Methodology

---

*p. 16*

05

Certificate

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*p. 24*

01

# Introduction

The advance of tourism has made it possible for citizens to reach any part of the world, which has led to certain infections that were typical of exotic or developing countries until a few years ago to reach our populations. Therefore, it is imperative for healthcare professionals to update their knowledge with training courses from which they can learn about the main diseases found in such cases, as well as the treatments available for effective diagnoses.





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*Improve your knowledge in Infections in International Travel through this program, where you will find the best didactic material with real clinical cases. Learn here about the latest advances in the specialty to be able to perform a quality medical practice”*

The cure of infectious diseases is one of the great societal challenges of today and, to achieve a reduction in the morbidity of affected persons, or to try to alleviate their symptoms, it is necessary for the healthcare professional to have a solid grasp of the subject, adjusted to the latest developments. Regardless of their place of work, any physician may encounter patients with an infection that originated in another country, since the advance of tourism has caused citizens to travel all around the world without necessarily taking the recommended precautions.

Malaria and tuberculosis are among the most prevalent infectious diseases worldwide. The former is endemic in more than 100 countries and the objective is to reduce mortality by at least 20% over that observed in 2005. For its part, tuberculosis accounts for about 8 million annual new cases and more than 1 million deaths. All this is even more alarming if we take into account all the new infectious diseases that have emerged in the last 20 years, which display epidemic behavior.

For this reason, it is essential for healthcare professionals to be aware of the new treatments for the different types of infections, even those that are more infrequent or unknown. This Postgraduate Certificate will delve into understanding the necessary vaccinations for international travel, health control measures and fever cases in tourists upon their return.

This **Postgraduate Certificate in Infections in International Travel** contains the most complete and up-to-date scientific program on the market. The most important features of the course are:

- Firstly, Clinical features, in order to address the health-infectious disease process in a particular person through the study of the most prevalent and deadly infectious diseases and, secondly, in Epidemiologic features, to study the behavior of the same phenomenon in a particular population.
- Training and professional development in the indication, performance and interpretation of the main state-of-the-art diagnostic tests to complement clinical skills in the diagnostic process. Emphasizing the most up-to-date microbiological tests used to rapidly diagnose germs and study antimicrobial resistance.
- Training and professional development in the complex and determining pathophysiological relationships between immune response and infectious agents.
- Training and professional development in germs related to neoplasms and chronic non-communicable diseases.
- Training and professional development in the development and production of vaccines for the control of morbidity and mortality due to infectious diseases.
- Training and professional development in the important field of antimicrobial therapeutics, providing the best available information on the development and production of new antibiotics.



*Update your knowledge  
through the Postgraduate  
Certificate in Infections in  
International Travel”*

“

*This Postgraduate may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge of Infections in International Travel, you will obtain a Postgraduate Certificate from TECH Technological University”*

Its teaching staff is made up of prestigious and renowned Cuban professionals with a long career in health care, teaching and research, who have worked in many countries on several continents, developing professional and teaching experience that they deliver in an extraordinary way in this Postgraduate Certificate.

The methodological design of this Postgraduate Certificate, developed by a multidisciplinary team of e-learning experts, integrates the latest advances in educational technology for the creation of numerous educational multimedia tools that allow the professional, based primarily on the problem-based learning method, to address real problems in their daily clinical practice, which will allow them to advance by acquiring knowledge and developing skills that will impact their future professional work.

It should be noted that the contents generated for this Postgraduate Certificate, as well as the videos, self-evaluations, clinical cases and exams, have been thoroughly reviewed, updated, and integrated by the professors and the team of experts that make up the work group to facilitate the learning process with a step-by-step approach in order to achieve the teaching program objectives.

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

*Take the opportunity to learn about the latest advances in Infections in International Travel and improve your patient care.*



02

# Objectives

The main objective of this Postgraduate Certificate is the improvement of health professionals, based on the acquisition of the most up-to-date and innovative scientific knowledge in the field of infectious diseases and their treatment, enabling them to develop the skills that will turn their daily clinical practice into a bastion of the standards of the best scientific evidence available, with a critical, innovative, multidisciplinary and integrative focus.





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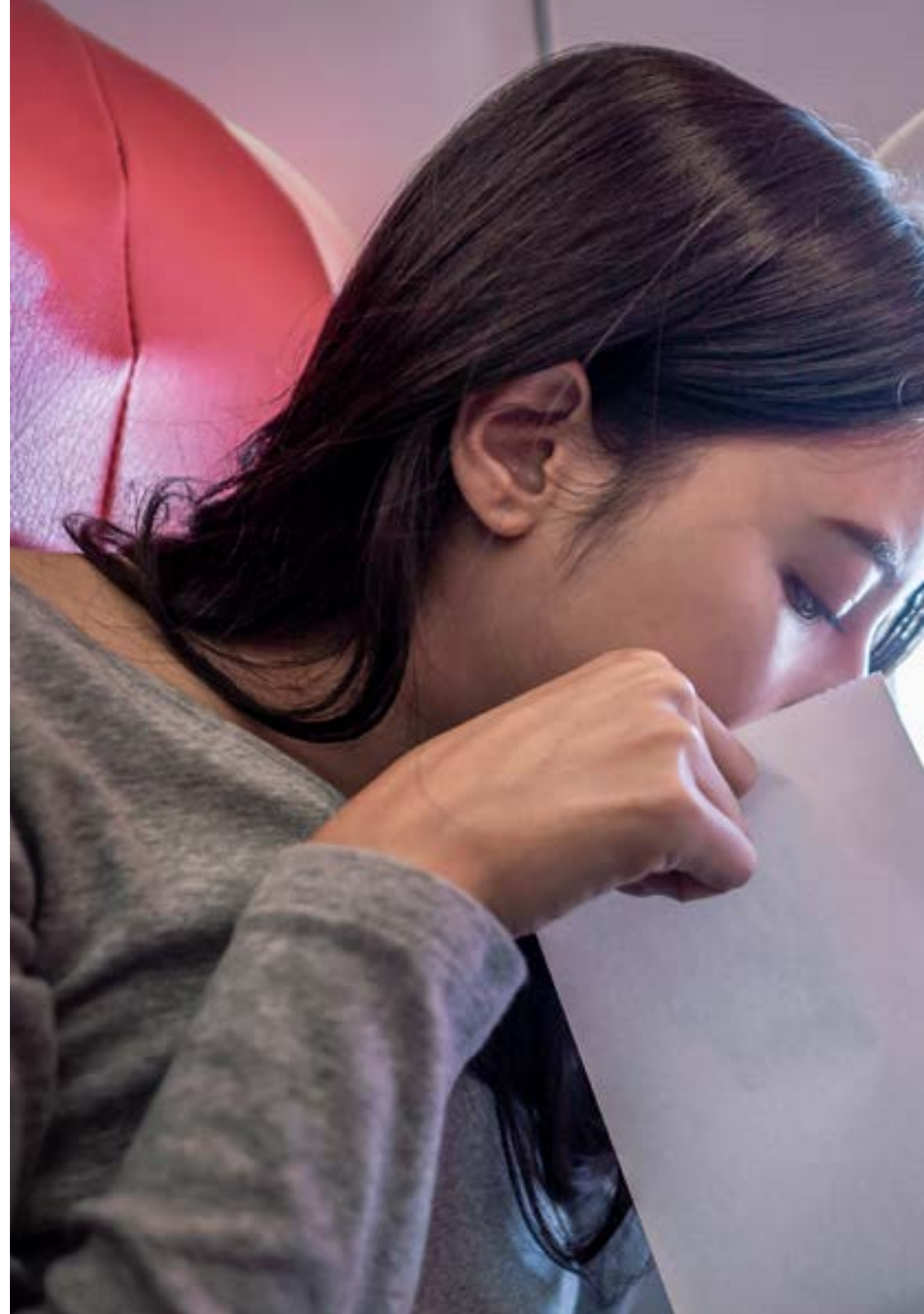
*This Postgraduate Certificate will help you to be more accurate in the diagnosis of Infections in International Travel”*



## General Objective

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- Guarantee professional improvement through up-to-date and in-depth knowledge of the best scientific evidence , for the prevention, diagnosis, and treatment of infectious diseases with a multidisciplinary and integrative approach that facilitates the control of these pathologies.



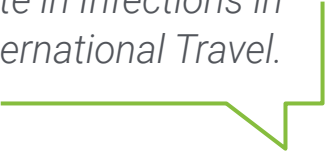


## Specific Objectives

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- ◆ Provide students with advanced, in-depth, updated, and multidisciplinary information that allows them to comprehensively approach the process of health-infectious diseases.
- ◆ Provide training and practical theoretical improvement that will enable a reliable clinical diagnosis supported by the efficient use of diagnostic methods to indicate an effective integral treatment.
- ◆ Assess and interpret the epidemiological characteristics and conditions of the different continents where the appearance and development of infectious diseases often occur.
- ◆ Highlight the importance of morbidity and mortality due to infections in international travelers.

*Update your knowledge through the  
Postgraduate Certificate in Infections in  
International Travel.*

A green graphic element consisting of a horizontal line on the left, a vertical line on the right, and a diagonal line connecting them at the bottom, forming a bracket-like shape.

03

# Structure and Content

This training program has been created to provide healthcare professionals with the necessary tools for their daily practice in the treatment of infectious diseases that may affect patients while abroad. Thus, the content of this Postgraduate Certificate comprises the most updated syllabus on the market, which has been developed by leading experts in the field at the international level, with the aim of making specialists more accurate in the diagnosis and treatment of this type of infections.

CERTIFICADO INTERNACIONAL  
DE VACUNACIÓN



PASSAPORT

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*This Postgraduate Certificate in Infections in International Travel contains the most complete and up-to-date scientific program on the market”*



## Module 1. Infections in the International Traveller

- 1.1. Vaccines in the International Traveller
  - 1.1.1. Main Vaccines in the International Traveller.
  - 1.1.2. Vaccination Against Yellow Fever
- 1.2. Prophylaxis for Travellers to Tropical Areas
  - 1.2.1. Pharmacological Treatment According to the Geographical Area to be Visited
  - 1.2.2. Glucose-6-Phosphate Dehydrogenase Deficiency and Antimalarial Drugs
  - 1.2.3. Preventive Measures for Travellers in Tropical Areas
- 1.3. Traveller's Diarrhoea
  - 1.3.1. Epidemiology
  - 1.3.2. Etiology
  - 1.3.3. Clinical Manifestations
  - 1.3.4. Diagnosis
  - 1.3.5. Treatment
- 1.4. Health Screening of International Travellers
- 1.5. Fever on Return from International Travel
  - 1.5.1. Main Aetiologies
  - 1.5.2. Diagnostic Approach
  - 1.5.3. Imported Infectious Pathology in the International Traveller





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

04

# 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. 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 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). Hence, 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 Course you will have access to the best educational material, prepared with you in mind:



### Study Material

After a complex production process, we transform the best content into high-quality educational and audiovisual multimedia. We select the best syllabus and make it available to you. Everything you need to acquire in-depth knowledge of a discipline, from A to Z. Lessons written and chosen by specialists in each of the disciplines.



### Surgical techniques and clinical procedures on video

We bring you closer to the newest techniques, to the latest scientific advances, and to the forefront of medical news. 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.



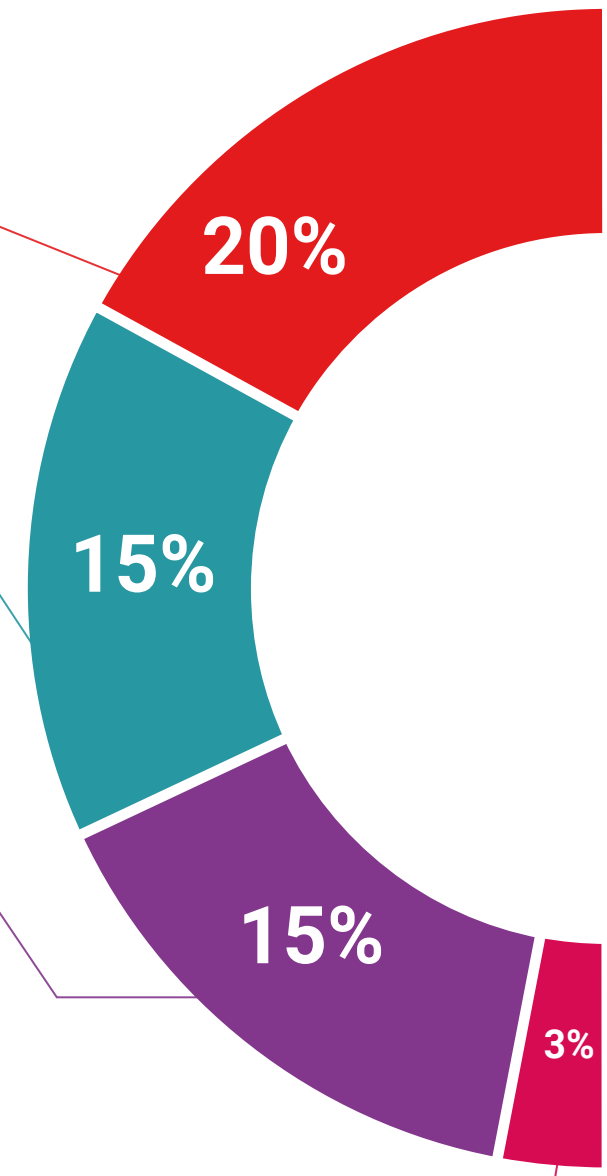
### Interactive Summaries

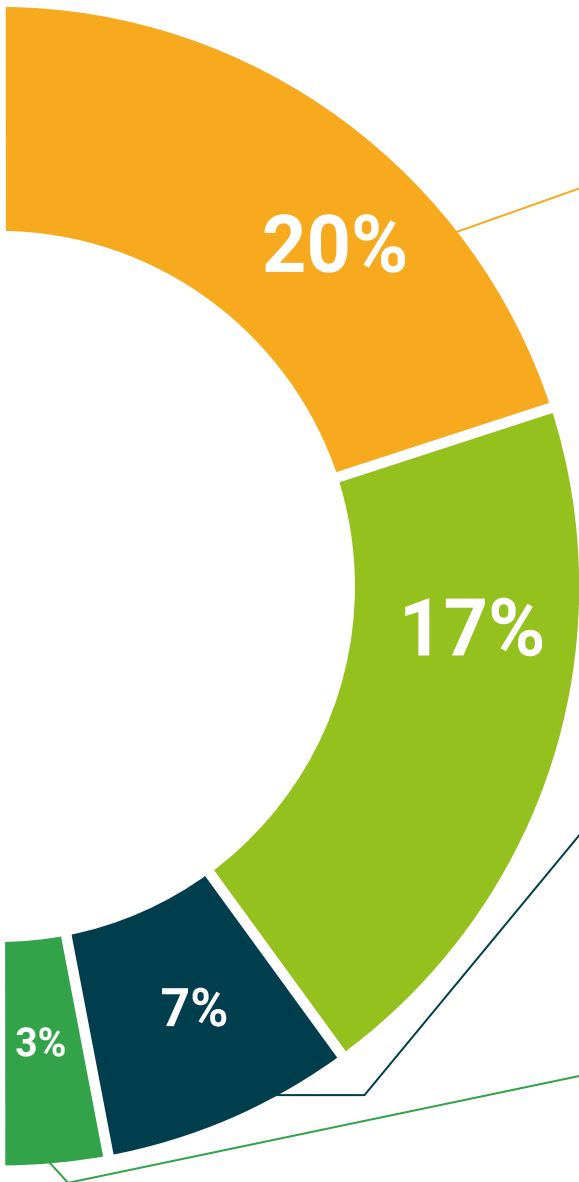
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge. This unique training system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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

Through the narratives of expert professionals, it is possible to acquire a high degree of understanding of the most frequent problematic situations. The professional's healthcare practice is not alien to the context in which it takes place. If we want to train ourselves to improve our professional practice, this training must be situated within the context in which it takes place.



#### Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout this program through activities and evaluative exercises.



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful. Learning from an expert strengthens knowledge and recall, and generates confidence in our future difficult decisions



#### Quick Action Guides

One of the most important functions of our team is to select those contents considered essential and present them in the form of worksheets or quick action guides to facilitate their understanding.





05

# Certificate

The Postgraduate Certificate in Infections in International Travel guarantees, in addition to the most rigorous and up-to-date education, access to a Postgraduate 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 Infections in International Travel** contains the most complete and up-to-date scientific program on the market.

After the student has passed the evaluations, they will receive by mail with acknowledgment of receipt their corresponding Postgraduate Certificate issued TECH Technological University.

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 career evaluation committees.

Title: **Postgraduate Certificate in Infections in International Travel**

ECTS: **3**

Number of Hours: **75**



\*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.

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



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