

Postgraduate Certificate

Travel Medicine and International Health



Postgraduate Certificate

Travel Medicine and International Health

Modality: Online

Duration: 6 weeks

Certificate: TECH Technological University

Official N° of hours: 150 h.

Website: www.techtute.com/in/medicine/postgraduate-certificate/travel-medicine-international-health

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01

Introduction

Tropical diseases continue to pose a challenge to medical professionals, who have become accustomed to treating them in their practice due to the increased mobility of the population to exotic destinations. Their diagnosis and treatment requires a protocol in case it is an imported virus or an unknown pathology, so it is essential that medical professionals have specific knowledge on the subject. Because there is frequent symptomatology in international travel patients, this program includes an in-depth discussion of post-travel assessment and measures to be taken prior to going to an international destination. All in all, this TECH program gives the professional the possibility to update their knowledge in this booming area of intervention, with the best teaching material and prestigious teachers.



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You will face the challenge of travel medicine in the medical practice, from the point of view of international health and together with experts in the field today”

Tropical diseases are infections that mainly affect regions with a warm and humid climate, and which are often economically, socially and healthily developing. Their diagnosis once they have been imported is key to prevent their proliferation. Therefore, it is pertinent to make an assessment of the destination in order to get the necessary vaccinations, as well as a subsequent monitoring after returning to the country of origin. There are parasitic diseases, viruses and infections that are easily transmitted in climates that are not accustomed to them, whose population has not generated immunity or whose quality of life is different.

Similarly, global warming has allowed mosquitoes, ticks and other insects carrying viruses or bacteria to proliferate, adapt to different seasons and invade new territories across Europe over the last decade. Outbreaks of dengue fever have been reported in France and Croatia, malaria in Greece, West Nile fever in south-eastern Europe, and Chikungunya virus in Italy and France.

Europe's climate is now well-suited for the transmission of Lyme disease and tick-borne encephalitis (both contracted mainly through *Ixodes ricinus*), with an average of 65,000 cases of Lyme disease per year in the European Union, and a 400% increase in cases of encephalitis in European endemic areas over the past 30 years (partly due to improved surveillance and diagnosis).

With all this, a specialization program such as this Postgraduate Certificate in Travel Medicine and International Health is necessary to focus on research and the development of responses to prevent contagion. As a result, students who complete this program will acquire the knowledge, protocols and skills necessary for the detection, diagnosis and treatment of this type of diseases international trip.

In addition, it is a 100% online program that provides the student with the ease of being able to study it comfortably, wherever and whenever they want. You will only need a device with internet access to move one step further in your academic career. A modality in keeping with the current times with all the guarantees to position the professional in a booming sector.

This **Postgraduate Certificate in Travel Medicine and International Health** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ◆ The latest technology in online teaching software
- ◆ A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- ◆ Practical cases presented by practising experts
- ◆ State-of-the-art interactive video systems
- ◆ Teaching supported by telepractice
- ◆ Continuous updating and recycling systems
- ◆ Autonomous learning: full compatibility with other occupations
- ◆ Practical exercises for self-evaluation and learning verification
- ◆ Support groups and educational synergies: questions to the expert, debate and knowledge forums
- ◆ Communication with the teacher and individual reflection work
- ◆ Availability of content from any fixed or portable device with internet connection
- ◆ Supplementary documentation databases are permanently available, even after the program



Balance this Postgraduate Certificate with your personal life! This program is 100% online, you choose where, when and how you want to take it"

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TECH offers you a Postgraduate Certificate with a multidisciplinary approach that addresses the most frequent pathologies of patients returning from an international trip"

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

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 immersive training programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts.

You will study in detail the prevention, diagnosis and treatment of tropical diseases and international health with experts in the field.

You will be able to perform an accurate clinical diagnosis supported by the efficient use of diagnostic methods to indicate an effective integral therapy thanks to this TECH Postgraduate Certificate.



02

Objectives

The design of this Postgraduate Certificate will allow students to acquire the necessary skills to update and deepen their knowledge in the field of international health and travel medicine, from what to consider before their trip to the assessment on their return.

Therefore, TECH provides the tools for the specialization of the student in this medical sector, focusing on the symptoms that can develop the traveler so that it can be diagnosed in time and addressed correctly, investigating the focus to prevent its transmission. In this way, the development of the study plan elaborated by the best experts will allow students to achieve the proposed objectives, guiding them towards excellence in their profession.



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You will learn to highlight the importance of morbidity and mortality from infections in the international traveler”



General Objective

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



You will be able to explain the complex interrelationships between etiological germs and risk factors for the acquisition of these diseases"





Specific Objectives

- ◆ Provide specialization 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
- ◆ Highlight the importance of morbidity and mortality from infections in the international traveller
- ◆ Explain the complex interrelationships between etiological germs and risk factors for the acquisition of these diseases

03

Course Management

This program has prestigious professors and renowned medical specialists whose extensive professional experience in international health has contributed to the development of this curriculum, bringing quality and excellence to the degree. It is a multidisciplinary team of teachers from various medical specialties involved in the care of patients affected after an international trip, as well as the indications to be followed before the trip as a preventive measure. All this results in a new and updated syllabus, which includes the essential knowledge on the approach to the traveler's symptoms.





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Develop yourself in a booming field with the best professionals and bet on your future with TECH”

Management



Dr. Díaz Menéndez, Marta

- Specialist in Internal Medicine in the Department of Infectious/Tropical Medicine at Carlos III-La Paz Hospital
- Doctorate in Medicine from the Autonomous University Madrid
- Degree in Medicine and Surgery from the University of Alcalá de Henares
- Specialty in Internal Medicine at La Paz University Hospital, Madrid
- Teaching placements in Equatorial Guinea and Ethiopia as complementary training in tropical medicine
- Master's degree in HIV Infection at the Rey Juan Carlos University
- Diploma in Nursing from the Autonomous University of Madrid

Professors

Dr. de Miguel Buckley, Rosa

- ◆ Specialist in Internal Medicine in the Infectious Diseases Unit, HIV Unit and Tropical and Travel Medicine Unit at La Paz University Hospital, Madrid
- ◆ Collaborator in Health Research Fund (FIS) projects
- ◆ Collaborating researcher in clinical trials TANGO, SALSA (multicenter, simplification of antiretroviral treatment), Hospital registry of patients affected by bacterial resistance (SEIMC)
- ◆ Degree in Medicine from the University of Medicine in Seville
- ◆ Medical Elective in the Digestive Service, Hepatology Section, at Cork University Hospital
- ◆ Professional Exchange of the International Federation of Medical Students' Associations, Cardiology Department, en The Medical University of Bialystok Clinical Hospital

Dr. Arsuaga Vicente, Marta

- ◆ Specialist in the Tropical Medicine and Travel Medicine from the Medicine Unit at La Paz University Hospital
- ◆ Doctorate in Medicine from the Autonomous University Madrid
- ◆ Degree in Medicine and Surgery from the University of Alcalá
- ◆ Specialist in Internal Medicine from the Autonomous University Madrid
- ◆ Master's Degree in Tropical Medicine and International Health from the AUM
- ◆ Expert in Emerging Viruses from UAN

Dr. Untoria Tabares, Yeray

- ◆ Resident Intern, Internal Medicine La Paz University Hospital - Madrid
- ◆ Degree in Medicine from the Complutense University of Madrid
- ◆ Master's Degree in Clinical Medicine from the Camilo José Cela University
- ◆ Master's Degree in Infectious Diseases and Antimicrobial Treatment from CEU Cardenal Herrera University
- ◆ University Expert in Microbiological Diagnosis, Antimicrobial Treatment and Research in Infectious Pathology from CEU Cardenal Herrera University
- ◆ University Expert in Community and Nosocomial Infections from CEU Cardenal Herrera University
- ◆ University Expert in Chronic Infectious Diseases and Imported Infections from CEU Cardenal Herrera University

Dr. Trigo Esteban, Elena

- ◆ Physician in the Department of Tropical Diseases and Traveler's Medicine at the Carlos III Hospital La Paz
- ◆ Degree in Medicine and Surgery from the Complutense University of Madrid
- ◆ Degree in Emerging Viruses from the Autonomous University of Madrid
- ◆ Master's Degree in Tropical and Health Medicine from the Autonomous University of Madrid

Mr. Falces Romero, Iker

- ◆ Specialist in the Microbiology and Parasitology Department at La Paz University Hospital
- ◆ Professor of Special Microbiology on the Degree in Medicine at the Autonomous University of Madrid
- ◆ Degree in Pharmacy from the University of Salamanca
- ◆ Master in Tropical Diseases from the University of Salamanca

Dr. De la Calle Prieto, Fernando

- ◆ Physician in the Tropical and Travel Medicine Unit of the Carlos III-La Paz Hospital
- ◆ Collaborating physician in the Department of Internal Medicine, Faculty of Medicine, Complutense University of Madrid
- ◆ Degree in Medicine and Surgery from Alcalá de Henares University
- ◆ Master's Degree in Tropical and Health Medicine from the Autonomous University of Madrid

Dr. Arribas López, José Ramón

- ◆ Head of the Infectious Diseases Department at La Paz University Hospital
- ◆ Coordinator of the High-Level Isolation Unit La Paz-Carlos III
- ◆ Doctorate in Medicine from the Autonomous University Madrid
- ◆ Degree in Medicine and Surgery from the Complutense University of Madrid





Dr. Marcelo Calvo, Cristina

- ◆ Specialty in Internal Medicine at La Paz University Hospital
- ◆ Master's Degree in Infectious Diseases and Microbiological Diagnosis from CEU Cardenal Herrera University
- ◆ Master's Degree in Integration and Clinical Problem Solving in Medicine from the University of Alcalá, Spain
- ◆ Expert in community and nosocomial infections from the CEU Cardenal Herrera University
- ◆ University expert in chronic infectious pathologies and imported infections from CEU Cardenal Herrera University
- ◆ Degree in Medicine and Surgery from the University of Alcalá

Dr. Díaz Pollán, Beatriz

- ◆ Specialist in the area of Infectious Diseases at La Paz University Hospital
- ◆ Master's Degree in Infectious Diseases and Antimicrobial Treatment from CEU Cardenal Herrera University
- ◆ University Expert in community and nosocomial infections from the CEU Cardenal Herrera University
- ◆ University Expert in Microbiological Diagnosis, Antimicrobial Treatment and Research in Infectious Pathology from CEU Cardenal Herrera University
- ◆ University expert in chronic infectious pathologies and imported infections from CEU Cardenal Herrera University
- ◆ Degree in Medicine and Surgery from the Autonomous University of Madrid

04

Structure and Content

The content of this program has been designed with a focus on travel medicine and international health, an essential aspect nowadays after the global spread of covid-19. The parameters to be taken into account when traveling in terms of health, preventive measures such as vaccination against diseases typical of the destination, as well as the general assessment of the traveler upon his return and the symptoms that may occur are studied in detail. Thus, a curriculum has been established that offers a broad perspective of the most frequent pathologies after an international trip, from a medical and social point of view, incorporating all the fields of work that intervene in the development of the professional's functions in this field.



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You will learn the protocol for the general assessment of patients' symptoms upon return from international travel"

Module 1. Travel Medicine and International Health

- 1.1. Travel and Health. International Health Regulations
- 1.2. Travel Advice. General Recommendations
- 1.3. Vaccination and Antimalarial Prophylaxis
- 1.4. Travelers with Special Conditions
- 1.5. General Assessment upon Return from International Travel
- 1.6. Febrile Syndrome upon Return from International Travel
- 1.7. Diarrheal Syndrome upon Return from International Travel
- 1.8. Skin Lesions upon Return from International Travel
- 1.9. Eosinophilia upon Return from International Travel
- 1.10. Other Common Diseases upon Return from International Travel





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You will address the characteristics of frequent febrile and diarrheal syndrome after international travel”

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

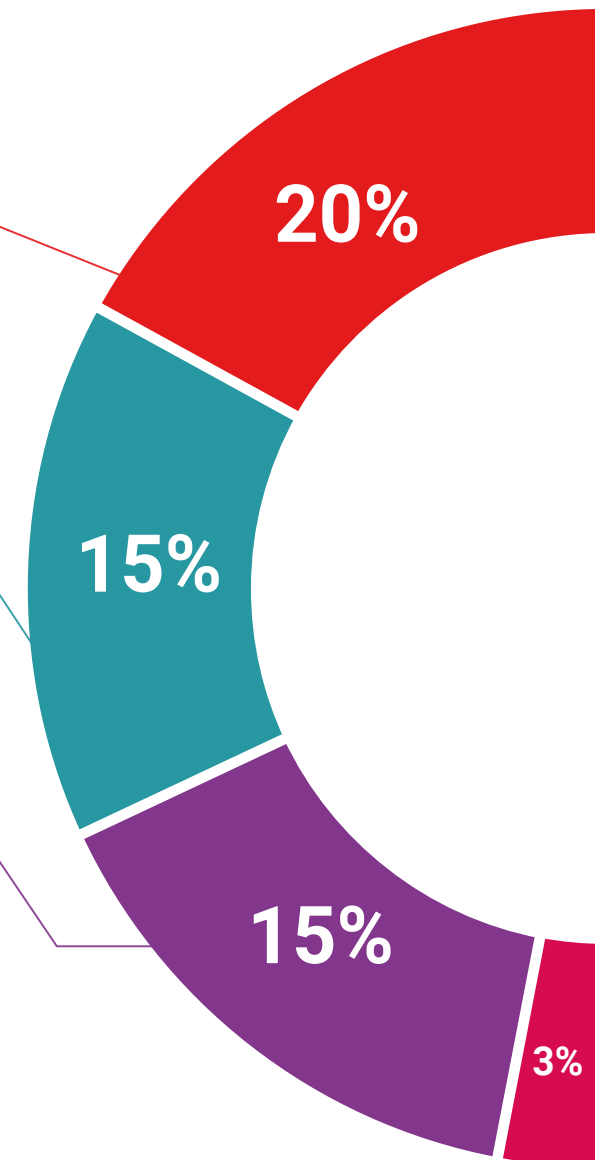
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

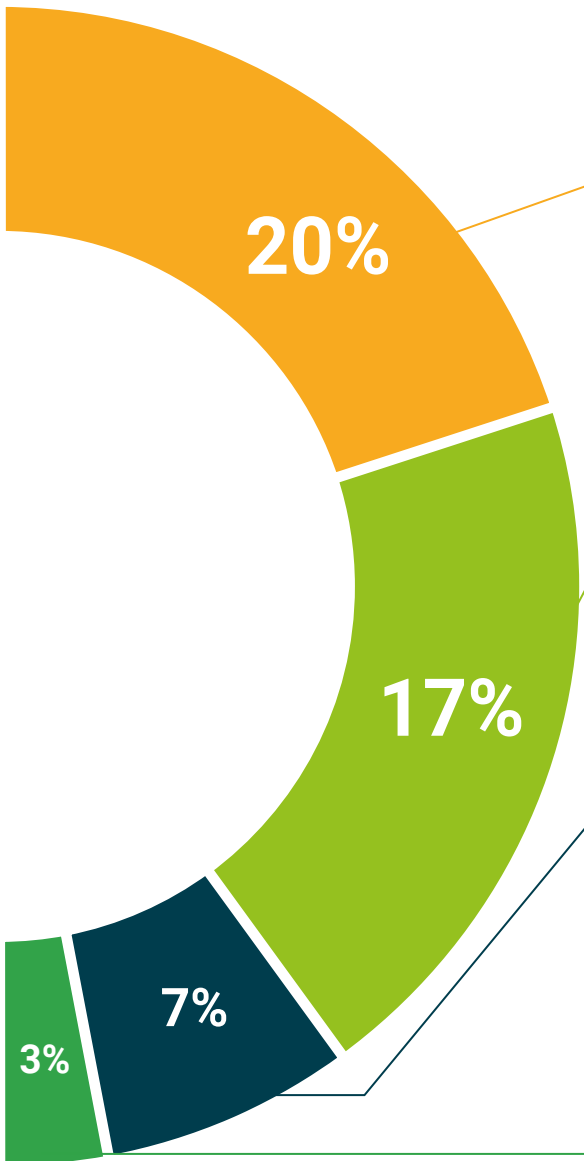
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 Travel Medicine and International Health guarantees students, in addition to the most rigorous and updated education, access to a Postgraduate Certificate issued by TECH Technological University.





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

This **Postgraduate Certificate in Travel Medicine and International Health** 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 certificate 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 Travel Medicine and International Health**

Official N° of hours: **150 h.**



*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 quality
development languages
virtual classroom

tech technological
university

Postgraduate Certificate

Travel Medicine and
International Health

Course Modality: Online

Duration: 6 weeks

Certificate: TECH Technological University

Official N° of hours: 150 h.

Postgraduate Certificate

Travel Medicine and International Health

