

# Postgraduate Diploma

Diagnosis and Therapeutics  
of Community Infections





## Postgraduate Diploma Diagnosis and Therapeutics of Community Infections

- » 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-diagnosis-therapeutics-community-infections](http://www.techtitute.com/in/medicine/postgraduate-diploma/postgraduate-diploma-diagnosis-therapeutics-community-infections)

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# 01

# Introduction

The frequency with which community infections occur, as well as the severity to which they can lead, requires specialized medical attention. In the most severe cases, they can cause pneumonia, meningitis, encephalitis, urinary tract infections, etc. For this reason, the medical professional must know in detail the novelties related to the clinical management of this type of patients, as well as the latest treatments that are being applied for their palliation. With the aim that the professional can be updated in a comprehensive manner on the clinical characteristics, diagnosis and therapeutic therapies of these conditions, TECH has developed this comprehensive program. It is a 100% online educational program, with which you will be able to update your knowledge in an austere and dynamic way through 450 hours of the best theoretical, practical and additional material.





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*A comprehensive and dynamic program that will allow you to keep you up to date with the latest developments in community infections, their diagnosis and treatment, 100% online"*

The virility of community infections and the ease with which an outbreak can occur make these conditions one of the most common in terms of recurrence of clinical cases that reach primary and hospital care. Despite the fact that they are usually pathologies that can be quickly diagnosed and do not pose an excessive risk to the patient's health, there are situations in which the severity of the disease requires admission to intensive care units.

These are cases related to pneumonia, meningitis, encephalitis, urinary tract infections, etc., in which immediate and effective action by the specialist could condition the patient's own evolution. Given the responsibility this entails, TECH has developed this Postgraduate Diploma in Diagnosis and Therapeutics of Community Infections, an austere and dynamic program dedicated to medical professionals. It is a program designed by experts in Infectious Diseases that delves into the assessment and treatment of these conditions, as well as the clinical management of cases with zoonotic and bacterial infections.

All this, through a practical and accessible 100% online format, thanks to which the graduates will be able to update their knowledge in a way that is totally compatible with their consulting activity. In addition, all the content can be downloaded to any device with an internet connection, not only for consultation during the program, but also once the academic experience is over.

This **Postgraduate Diploma in Diagnosis and Therapeutics of Community Infections** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Clinical cases presented by experts in Infectious Diseases
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative 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



*You will work with the latest scientific evidence related to urinary tract, skin and soft tissue infections, so you will be able to update your knowledge in their specialized clinical management"*

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*Would you like to delve into the causes of fever of unknown origin in the 21st century? With this Postgraduate Diploma you will learn in detail the latest developments related to this condition"*

*The teaching team has selected for this Postgraduate Diploma numerous clinical cases from their own practices so that you can work on perfecting your medical skills.*

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

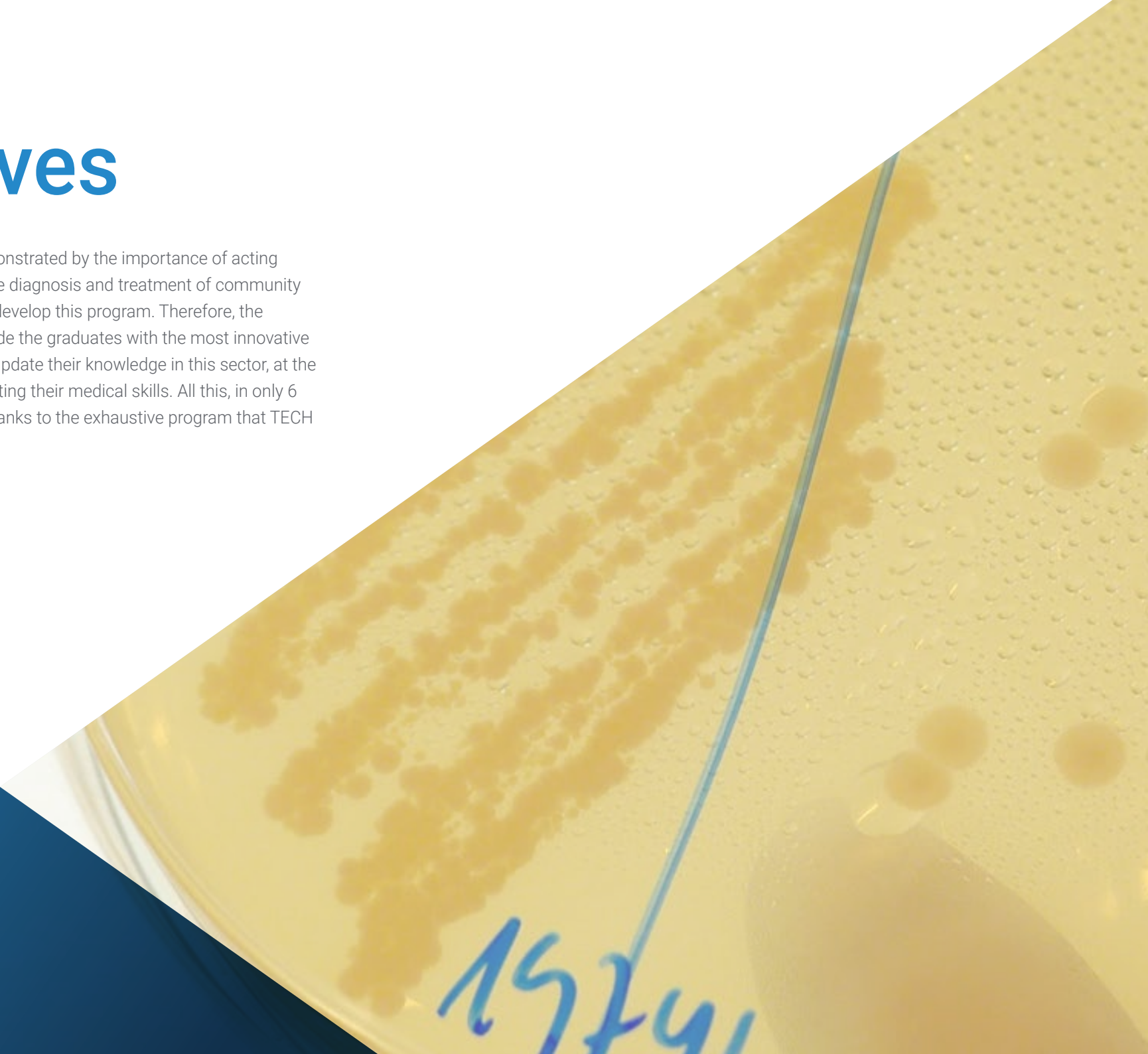
Its multimedia content, developed with the latest educational technology, will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive education programmed to prepare in real situations.

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. This will be done with the help of an innovative system of interactive videos made by renowned experts.



# 02 Objectives

The importance that has been demonstrated by the importance of acting arduously and conscientiously in the diagnosis and treatment of community infections is what has led TECH to develop this program. Therefore, the objective of this program is to provide the graduates with the most innovative academic tools that allow them to update their knowledge in this sector, at the same time that they work on perfecting their medical skills. All this, in only 6 months and in a guaranteed way thanks to the exhaustive program that TECH has designed exclusively for them.





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*A program designed exclusively for you to be able to achieve your most ambitious academic goals in only 6 months and in a guaranteed way"*



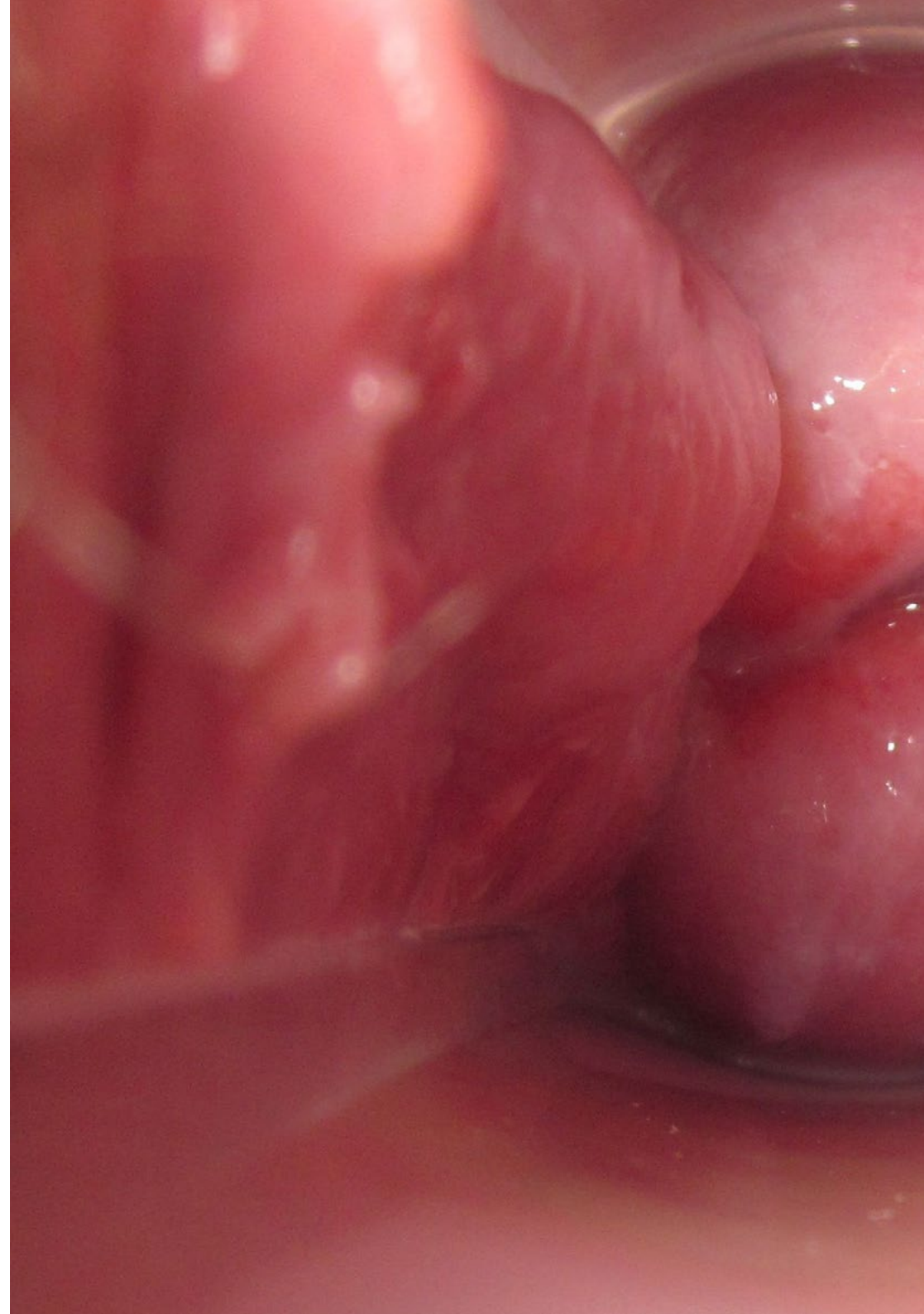
## General Objectives

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- ♦ Provide the graduates with the most innovative academic tools to facilitate their update
- ♦ Provide the specialist with the most avant-garde and austere information related to community infections
- ♦ Allow them to know in detail the latest therapeutic novelties related to the treatment of these conditions



*If among your objectives is to know in detail the novelties related to the assessment of the indication and choice of empirical antibiotic treatment in community infections, this Postgraduate Diploma will exceed your expectations"*





## Specific Objectives

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### Module 1. Assessment and Treatment of Community Infections

- ♦ Identify actions to be taken on transmissible diseases in the community
- ♦ Incorporate the latest diagnostic and therapeutic procedures for community-acquired infections into daily practice
- ♦ Acquire skills to manage, advise or lead multidisciplinary teams for the study of infectious diseases in communities or individual patients, as well as scientific research teams

### Module 2. Urinary, Skin and Soft Tissue Infections

- ♦ Examine the diversity of genital tract infections and STDs
- ♦ Analyze the incidence of viral, fungal and mycobacterial skin infections
- ♦ Review the current situation regarding intra-abdominal and enteric infections

### Module 3. Zoonotic and Bacterial Infections

- ♦ Gain in-depth understanding of the current status of tuberculosis, community-acquired pneumonias and zoonotic and bacterial infections.
- ♦ Explore the condition of fever of unknown origin or FOD in the 21st century
- ♦ Delve into intermediate febrile syndrome and mononucleosis syndrome

# 03

# Course Management

TECH, in its commitment to offer the most complete academic experience possible, has selected for this Postgraduate Diploma a teaching team versed in the clinical management of infectious diseases. It is a group of specialists with a wide and extensive work experience in the sector, who are also characterized by their human and professional quality, aspects that will be reflected in the exhaustiveness and austerity with which the syllabus has been designed.



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*You will have the possibility of requesting individualized tutorials with the teaching staff to resolve doubts and raise any questions that may arise during the course of the Postgraduate Diploma"*

## Management



### Dr. Díaz Pollán, Beatriz

- ◆ Faculty Specialist La Paz University Hospital
- ◆ Faculty Specialist at Hospital Clínico San Carlos
- ◆ Resident Physician in San Carlos Clinical Hospital
- ◆ Master's Degree in Clinical Medicine from the Rey Juan Carlos University
- ◆ Degree in Medicine and Surgery from the Autonomous University of Madrid
- ◆ Master's Degree in Infectious Diseases and Antimicrobial Treatment from CEU - Cardenal Herrera University
- ◆ Postgraduate Diploma in Community and Nosocomial Infections from CEU - Cardenal Herrera University
- ◆ Postgraduate Diploma in Chronic Infectious Diseases and Imported Infections from CEU - Cardenal Herrera University
- ◆ Postgraduate Diploma in Microbiological Diagnosis, Antimicrobial Treatment and Research in Infectious Pathology from CEU - Cardenal Herrera University

## Professors

### Dr. Ramos, Juan Carlos

- ◆ Doctor at La Paz University Hospital. Madrid
- ◆ Official Doctoral Programme in Medicine. University of Alcalá
- ◆ Degree in Medicine and Surgery. Complutense University of Madrid
- ◆ Master's Degree in Infectious Diseases in Intensive Care. University-Company Foundation Valencia
- ◆ Author of Several Scientific Publications

**Dr. Rico, Alicia**

- ◆ Specialist in the Microbiology and Parasitology Department at La Paz University Hospital
- ◆ Assistant and co-founder of the Infectious Diseases and Clinical Microbiology Unit at La Paz University Hospital
- ◆ Team Member of PROA (Programs of reinforcement, Orientation and Support)
- ◆ Teaching Collaborator of the Department of Medicine at UAM
- ◆ Member of the Infection and Policy Committee of La Paz University Hospital
- ◆ Member of SEIMC (the Spanish Society of Infectious Diseases and Clinical Microbiology)
- ◆ Participation in several research projects
- ◆ Degree in Medicine from the Complutense University of Madrid
- ◆ Doctorate Courses at the Complutense University of Madrid

**Dr. Loeches Yagüe, María Belén**

- ◆ Specialist in the area of Infectious Diseases at La Paz General University Hospital
- ◆ Professor of Infectious Diseases at the Infanta Sofía University Hospital in Madrid. European University of Madrid
- ◆ Doctor of Medicine. Autonomous University of Madrid
- ◆ Degree in Medicine. Complutense University of Madrid
- ◆ Master in Theoretical and Practical Learning in Infectious Diseases. Complutense University of Madrid
- ◆ Specialised Training in Microbiology and Infectious Diseases. Gregorio Marañón General University Hospital

**Dr. Arribas López, José Ramón**

- ◆ Head of the Infectious Diseases and Clinical Microbiology Unit. La Paz University Hospital
- ◆ Coordinator of the High-Level Isolation Unit. La Paz University Hospital– Carlos III
- ◆ Member Interministerial Committee for the management of the Ebola crisis
- ◆ Head of the AIDS and Infectious Diseases research group at IdiPAZ
- ◆ Doctor of Medicine. Autonomous University of Madrid
- ◆ Degree in Medicine and Surgery. Complutense University of Madrid

**Dr. Mora Rillo, Marta**

- ◆ Specialist in the area of Infectious Diseases at La Paz University
- ◆ Clinical Teaching Collaborator in the Department of Medicine. Autonomous University of Madrid
- ◆ Doctor of Medicine. Autonomous University of Madrid
- ◆ Degree in Medicine and Surgery. University of Zaragoza
- ◆ Master's Degree in Infectious Diseases in Intensive Care. University of Valencia
- ◆ Online Masters in Infectious Diseases and Antimicrobial Treatment CEU Cardenal Herrera University. 2017
- ◆ Master's Degree in Tropical Medicine and International Health. Autonomous University of Madrid
- ◆ Expert in Emerging and High-Risk Virus Pathology. Autonomous University of Madrid
- ◆ Expert in Tropical Medicine. Autonomous University of Madrid

# 04

# Structure and Content

Both the structure and the content of this program have been designed by the teaching team, who have selected the latest information related to Infectious Diseases and the diagnostic and treatment strategies that are currently having the best results. In addition, they have also included hours of high-quality additional material: detailed videos, research articles, complementary readings, dynamic summaries, self-knowledge exercises and real clinical cases. Everything the specialists will need to delve, in a personalized way, into the aspects of the syllabus that they consider most relevant for their own update.





A close-up photograph of a petri dish containing a red agar medium. Numerous white, circular bacterial colonies of varying sizes are visible, some appearing as distinct rings or spots. The background is a dark blue gradient.

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*A unique and cutting-edge opportunity to delve into the latest developments related to osteoarticular and CNS infections through hours of high-quality additional material"*

### Module 1. Assessment and Treatment of Community Infections

- 1.1. Assessment of the Severity of Infectious Diseases
- 1.2. Support of Biomarkers in the Clinical Diagnosis of Infection
- 1.3. Basic Principles for the Clinician in Assessing the Indication and Choice of Empirical Antibiotic Treatment
- 1.4. Severe Sepsis and Septic Shock. Sepsis Code
- 1.5. Osteoarticular Infections
- 1.6. CNS Infections
- 1.7. Bacterial Endocarditis

### Module 2. Urinary, Skin and Soft Tissue Infections

- 2.1. Infections of the Genital Tract and STIs I
- 2.2. Infections of the Genital Tract and STIs II
- 2.3. Genital Infections in Women
- 2.4. Urinary Tract Infections
- 2.5. Viral Skin Infections
- 2.6. Fungal and Microbacterial Skin Infections
- 2.7. Skin and Soft Tissue Infections
- 2.8. Intra-Abdominal and Enteric Infections

### Module 3. Zoonotic and Bacterial Infections

- 3.1. Tuberculosis
- 3.2. Community-Acquired Pneumonia (CAP)
- 3.3. Zoonosis (Brucella, Rickettsia, Bartonella, Leptospira, Lyme, Leishmania, Arbovirus, etc.)
- 3.4. Intermediate Febrile Syndrome
- 3.5. Mononucleosis Syndrome
- 3.6. Fever and Rash
- 3.7. Fever and Lymphadenopathies in Immunocompetent Patients
- 3.8. Fever of Unknown Origin (FUO) in the 21st Century





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*A program that gives you the opportunity to take it from wherever you want and with a schedule fully adapted to your availability thanks to its compatibility with computers, tablets and mobiles"*

# 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. 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 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 Diploma in Diagnosis and Therapeutics of Community Infections guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.



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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"*

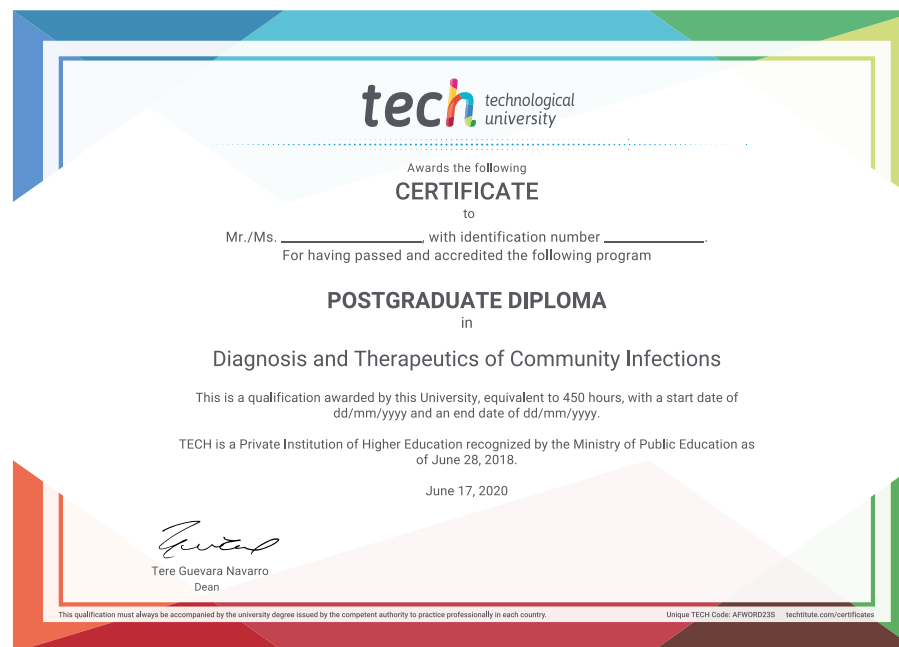
This **Postgraduate Diploma in Diagnosis and Therapeutics of Community Infections** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Diploma in Diagnosis and Therapeutics of Community Infections**

Official N° of hours: **450 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  
online training  
development language  
virtual classroom



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