

# Postgraduate Diploma

## Clinical Infectology of Chronic and Respiratory Diseases





## Postgraduate Diploma Clinical Infectology of Chronic and Respiratory Diseases

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 17 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/pharmacy/postgraduate-diploma/postgraduate-diploma-clinical-infectology-chronic-respiratory-diseases](http://www.techtute.com/us/pharmacy/postgraduate-diploma/postgraduate-diploma-clinical-infectology-chronic-respiratory-diseases)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 22*

06

Certificate

---

*p. 30*

# 01

# Introduction

For pharmacy professionals, it is vital to be trained in the functioning and treatment of chronic diseases, as these are one of the main causes of mortality in the world. Therefore, it is necessary to invest in research and preparation in order to achieve the most effective treatments and increase survival rates. In this program, the pharmacist will specialize in the treatment of chronic and respiratory diseases and will gain recognition in a sector that increasingly demands more experts in the field.







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*Pharmacy professionals must constantly update their knowledge to make more accurate diagnoses for their patients”*

The development and spread of bacterial resistance to antibiotics is one of the main problems of infection control in most countries. Therefore, for example, the emergence of pneumococci resistant to penicillin or enterococci resistant to vancomycin, for example, should be recalled. The multitude of resistance cases has raised alarms about a possible global antibiotic crisis.

Another challenge in relation to infectious diseases is the emergence in recent years of several new diseases with high morbidity. of several new diseases with high morbidity in recent years, which requires an important level of updating in order to prevent new infections and reduce the morbidity figures for infections.

Therefore, pharmacy professionals, regardless of where they work, can see in this Postgraduate Diploma the opportunity to take a teaching program that brings together the most advanced and in-depth knowledge of the most important health problems in the field of infectious diseases and microbiology, where a group of professors of high scientific rigor and extensive international experience provides the most complete and up-to-date information on prevention, diagnosis, treatment and care of individual patients and population groups, suffering from the most prevalent and deadly infectious diseases.

In this case, the program focuses on Clinical Infectology of the most lethal Chronic and Respiratory Diseases, with special emphasis on cancer or non-communicable diseases.

This **Postgraduate Diploma in Clinical Infectology of Chronic and Respiratory Diseases** contains the most complete and up-to-date educational program on the market. The most important features of the training include:

- ♦ Practical 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 self-assessment can be used to improve learning
- ♦ 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

“*Increase your confidence in decision making thanks to this Postgraduate Diploma specially designed to train the best pharmacists in the sector*”

“

*The Postgraduate Diploma in Clinical Infectology of Chronic and Respiratory Diseases is the best option you can find to specialize in this field"*

*This Postgraduate Diploma will give you the opportunity to train while continuing with your daily work, as it is 100% online.*

*Infections are one of the main pharmacological problems worldwide, so it is essential for of the pharmacy to be aware of the latest advances in this field.*

The program's teaching staff includes professionals from sector who contribute their work experience to this training 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.

The design of this program focuses on Problem-Based Learning, which means the student must try to solve the different real-life situations which arise throughout the academic program. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.



# 02 Objectives

The main objective of the Postgraduate Diploma is the improvement of pharmacy professionals, by helping them acquire the most up-to-date and innovative scientific knowledge in the field of infectious diseases and how they are treated, allowing them to develop the skills that will turn their daily pharmaceutical practice into a benchmark of the standards of the best scientific evidence available, with a critical, innovative, multidisciplinary and integrative sense.







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*If you want to make a leap in your daily pharmaceutical practice, with this program you will be able to acquire the necessary knowledge that will allow you to develop your skills”*



## General Objectives

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- Explore key aspects of Clinical Infectious Diseases and Advanced Antibiotic Therapeutics
- Manage the prevention, diagnosis and treatment of infectious diseases
- Explore a multidisciplinary and integrative approach to facilitate the control of these pathologies
- Acquire skills in the area of Clinical Infectious Diseases and Advanced Antibiotic Therapeutics
- Be able to apply the latest technological innovations to establish an optimal management in diagnostics



*Establish common immune system responses to viral and bacterial infections*







## Specific Objectives

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### Module 1. Epidemiology and microbiology of infectious diseases

- ♦ Understand the epidemiological, economic, social and political conditions of the countries with major infectious diseases
- ♦ Identify the different taxonomies of infectious agents, as well as the properties of microorganisms
- ♦ Explore chemical and physical agents from microorganisms
- ♦ Become familiar with the indications and interpretations of a microbiological study, understanding all the technical aspects of it

### Module 2. Cancer and Immunosuppression

- ♦ Identify the general structure of the immune system
- ♦ Establish common immune system responses to viral and bacterial infections
- ♦ Explain the complex interrelationships between infections and different types of immunosuppression.

### Module 3. Chronic Non-Communicable Diseases and Infections

- ♦ Study the current pathophysiological elements between non-transmissible chronic diseases and infections
- ♦ Understand neurological, endocrine and immune interrelationships in the face of stress and infectious agents
- ♦ Identify digestive diseases associated with infectious microorganisms and the function of this system in the body
- ♦ Explore the infectious theory of rheumatoid diseases

### Module 4. The Most Lethal Respiratory Infections

- ♦ To deepen the study of the latest clinical, diagnostic and therapeutic elements of the most lethal respiratory infections
- ♦ Understand the lethal impact of healthcare-associated bacterial pneumonia and other factors
- ♦ Identify the clinical picture, pathobiology and diagnosis of tuberculosis
- ♦ Analyze the formation of Loeffler's syndrome in its pulmonary phase and the clinical manifestations

### Module 5. Multi-Resistance and Vaccines

- ♦ Identify the acquired genetic mechanisms that lead to antimicrobial resistance
- ♦ Explore the different infections that have developed resistance to antiviral drugs
- ♦ Know the general aspects of vaccination, as well as its immunological basis, its production process and the risk for people
- ♦ Establish the correct method for the use of vaccines

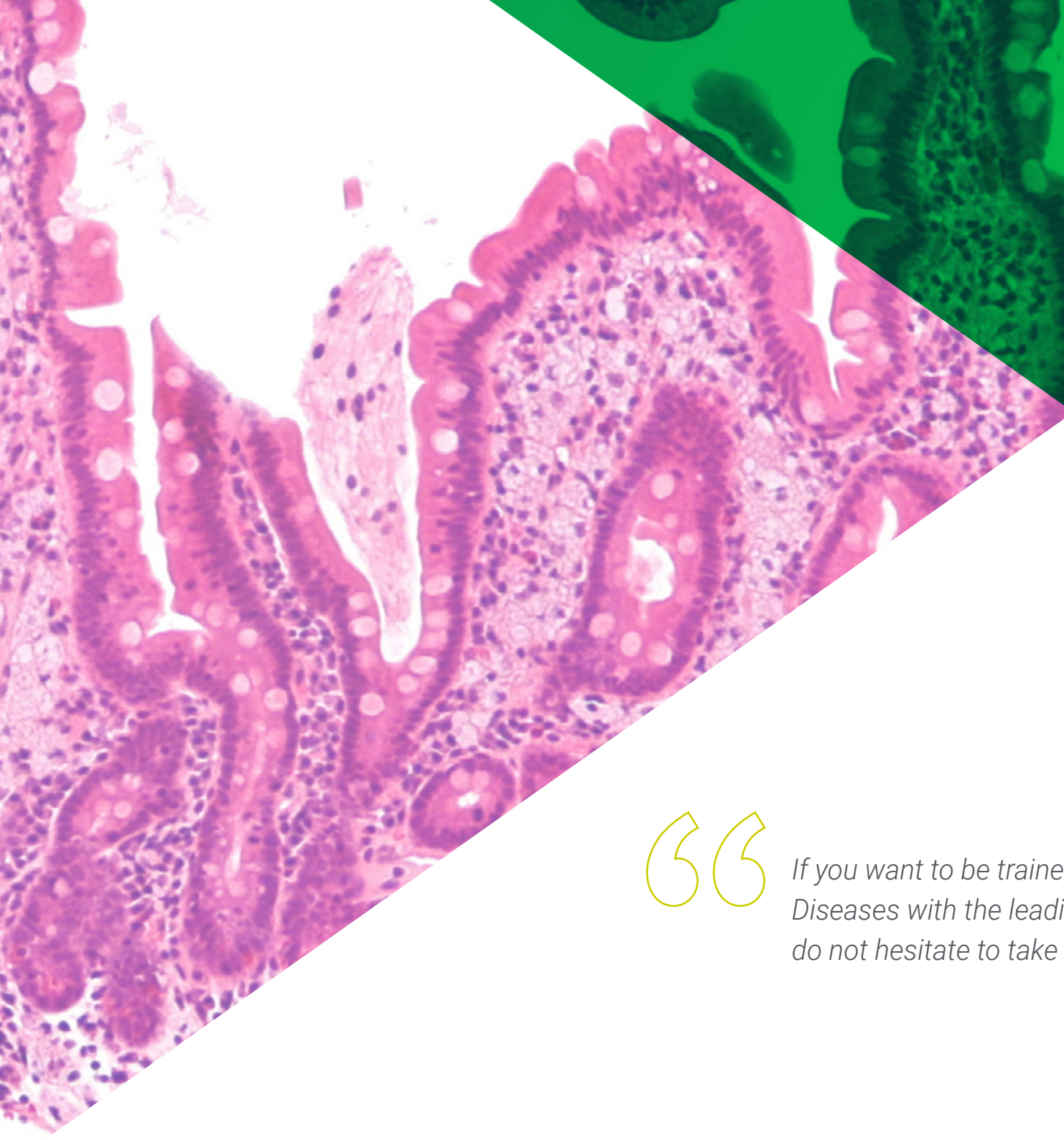
03

# Course Management

Renowned and recognized pharmacists and medical specialists with numerous publications, teaching experience, and professional experience in many countries, where many of the diseases studied have a high morbimortality participate in the teaching program. The teaching staff is made up of a multidisciplinary team from various medical specialities, such as internal medicine, paediatrics, general surgery, gynaecology and obstetrics, microbiology, pathological anatomy, pharmacology, among others.







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*If you want to be trained in Clinical Infectious Diseases with the leading professionals in the field, do not hesitate to take this Postgraduate Diploma"*



## Management



### Dr. Díaz Pollán, Beatriz

- ◆ Faculty Specialist Déu Hospital La Paz University Hospital. Since
- ◆ Official Doctoral Programme in Clinical Medicine Clinical symptoms, University Rey Juan Carlos
- ◆ Degree in Medicine and Surgery, Autonomous University of Madrid
- ◆ Master's Degree in Infectious Diseases and Antimicrobial Treatment from CEU Cardenal Herrera University
- ◆ Postgraduate Certificate in Community and Nosocomial Infections from CEU Cardenal Herrera University
- ◆ Postgraduate Certificate in Chronic Infectious Diseases and Imported Infections from CEU Cardenal Herrera University
- ◆ Postgraduate Certificate in Microbiological Diagnosis, Antimicrobial Treatment and Research in Infectious Pathology from CEU Cardenal Herrera University
- ◆ Faculty Specialist Déu Hospital San Carlos Clinical Hospital
- ◆ Resident doctor, San Carlos Clinical Hospital

## Professors

### Dr. Rico, Alicia

- ◆ Specialist in the Microbiology and Parasitology Department at La Paz University Hospital, Madrid
- ◆ Degree in Medicine from the Complutense University of Madrid
- ◆ Doctorate Courses at the Complutense University of Madrid
- ◆ Assistant and co-founder of the Infectious Diseases and Clinical Microbiology Unit, La Paz University Hospital, Madrid
- ◆ Clinical teaching collaborator Department of Medicine of the UAM

### Dr. Ramos, Juan Carlos

- ◆ Doctor at La Paz University Hospital, Madrid
- ◆ Official Doctoral Programme in Clinical Medicine. University of Alcalá
- ◆ Degree in Medicine and Surgery from the Complutense, University of Madrid
- ◆ Master's Degree in Infectious Diseases in Intensive Care, Fundación Universidad-Empresa Valencia
- ◆ Author of several community publications

**Dr. Loeches Yagüe, María Belén**

- ◆ Specialist in the area of Infectious Diseases at La Paz General University Hospital, Madrid
- ◆ Doctor in Medicine, Autonomous University, Madrid
- ◆ Degree in Medicine at Madrid Complutense University
- ◆ 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
- ◆ Professor of Infectious Diseases at the Infanta Sofía University Hospital in Madrid, European University of Madrid

**Dr. Arribas López, José Ramón**

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

**Dr. Mora Rillo, Marta**

- ◆ Specialist in the area of Infectious Diseases at La Paz University Hospital
- ◆ Doctor in Medicine, Autonomous University, Madrid
- ◆ Degree in Medicine and Surgery, University of Zaragoza
- ◆ Master's Degree in Infectious Diseases in Intensive Care, University of Valencia
- ◆ Online Master's Degree in Infectious Diseases and Antimicrobial Treatment from CEU Cardenal Herrera University
- ◆ 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

The teaching program has been created to provide healthcare professionals with the necessary tools for their daily practice in the treatment of clinical infections. Therefore, the content of this Postgraduate Diploma is composed of the most up-to-date 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.





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*This is the best Postgraduate Diploma you can find on the market, because it has the most complete and up-to-date information”*

## Module 1. Epidemiology and Microbiology of Infectious Diseases

- 1.1. Epidemiological, Economic and Social Conditions by Continents that Favor the Development of Infectious Diseases
  - 1.1.1. Africa
  - 1.1.2. America
  - 1.1.3. Europe and Asia
- 1.2. New and Emerging Diseases By Continent
  - 1.2.1. Morbidity and Mortality From Infectious Diseases in Africa
  - 1.2.2. Morbidity and Mortality From Infectious Diseases in the Americas
  - 1.2.3. Infectious Disease Morbidity and Mortality in Asia
  - 1.2.4. Morbidity and Mortality from Infectious Diseases in Europe
- 1.3. The Taxonomy Of Infectious Agents
  - 1.3.1. Viruses
  - 1.3.2. Bacteria
  - 1.3.3. Fungus
  - 1.3.4. Parasites
- 1.4. Disease-producing Properties of Micro-organisms
  - 1.4.1. Mechanisms of Pathogenicity
  - 1.4.2. Mechanisms of Adhesion and Multiplication
  - 1.4.3. Mechanisms Enabling the Acquisition of Nutrients From The Host
  - 1.4.4. Mechanisms Inhibiting The Phagocytic Process
  - 1.4.5. Mechanisms For Evading The Immune Response
- 1.5. Microscopy and Staining
  - 1.5.1. Microscopes and Types of Microscopes
  - 1.5.2. Composite Stains
  - 1.5.3. Acid-resistant Micro-organism Staining
  - 1.5.4. Staining to Demonstrate Cellular Structures
- 1.6. Cultures and Growth of Micro-organisms
  - 1.6.1. General Culture Mediums
  - 1.6.2. Specific Culture Methods

- 1.7. Effect of Chemical and Physical Agents on Micro-organisms
  - 1.7.1. Sterilisation and Disinfection
  - 1.7.2. Disinfectants and Antiseptics Used in Practice
- 1.8. Molecular Biology and its Importance for the Infectologist
  - 1.8.1. Bacterial Genetics
  - 1.8.2. Polymerase Chain Reaction Tests
- 1.9. Indication and Interpretation of Microbiological Studies

## Module 2. Cancer and Immunosuppression

- 2.1. The Innate and Adaptive Immune Response
  - 2.1.1. Cells and Cytokines in Response to Infectious Agents
  - 2.1.2. Characteristics of the Innate Immune Response
- 2.2. Immunosuppression in Different Conditions in Patients with Sepsis
  - 2.2.1. The role of Cytotoxics in Immunosuppression
  - 2.2.2. The role of Cytotoxics in Immunosuppression
  - 2.2.3. Infection in Transplant Patients
- 2.3. The Oncohematological Patient with Sepsis
  - 2.3.1. Medullary Aplasia
  - 2.3.2. Neutropenia
  - 2.3.3. Infections in Patients with Cancer
- 2.4. The Diabetic Patient with Sepsis
  - 2.4.1. The Immune System in Diabetes Mellitus
  - 2.4.2. Main Infections in the Diabetic Patient
- 2.5. Comprehensive Approach to the Immuno-Compromised Patient with Sepsis
  - 2.5.1. Diagnostic Considerations
  - 2.5.2. Therapeutic Measures



- 2.6. The Link Between Cancer and Micro-organisms
  - 2.6.1. Oncogenesis and Infection
  - 2.6.2. Virus and Cancer
    - 2.6.2.1. Epstein Barr Virus
    - 2.6.2.2. Hepatitis B and C Viruses
    - 2.6.2.3. Human Immunodeficiency Virus
    - 2.6.2.4. T-cell Lymphoma/Leukaemia Viruses
    - 2.6.2.5. Kaposi's Sarcoma-Associated Herpesvirus
- 2.7. Bacterias and Cancer
  - 2.7.1. Helicobacter Pylori
- 2.8. Parasites and Cancer
  - 2.8.1. Schistosoma Haematobium
  - 2.8.2. Opisthorchis Viverrini
- 2.9. Bacteria Allies Against Cancer

### Module 3. Chronic Non-Communicable Diseases and Infections

- 3.1. Infections and the Chronic Inflammatory Response
  - 3.1.1. Immune System Cells of the Chronic Inflammatory Response to Infections
  - 3.1.2. The Granulomatous Response and Delayed-type Hypersensitivity
  - 3.1.3. The Role of Chemical Mediators of the Chronic Inflammatory Response
- 3.2. Stress, Immunity and Infectious Agents
  - 3.2.1. Neurological, Endocrine and Immune Interrelationships
  - 3.2.2. Stress and the Immune Response
  - 3.2.3. Chronic Fatigue Syndrome and Infections
- 3.3. Atherosclerosis, Cardiovascular Disease and the Role of Infectious Agents
  - 3.3.1. The Role of Infectious Agents in Atherosclerosis
  - 3.3.2. Cardiovascular Disease Mortality and its Association with Infectious Agents
  - 3.3.3. Cardiovascular Mortality in Patients with Pneumonia
- 3.4. Digestive Diseases Associated with Infectious Microorganisms
  - 3.4.1. Gut Flora and its Important Functions
  - 3.4.2. Gastroduodenal Peptic Ulcer Disease and Helicobacter Pylori
  - 3.4.3. Inflammatory Bowel Disease and Infections
  - 3.4.4. Whipple's Disease

- 3.5. Neurological Diseases and Infections
  - 3.5.1. Dementia and Infections
  - 3.5.2. Multiple Sclerosis and its Relationship to Certain Infectious Agents
  - 3.5.3. Guillain-Barré Syndrome, Immunity and Viral Infections
  - 3.5.4. Parkinson's Disease and its Association with Infections
- 3.6. Endocrinopathies and Infections
  - 3.6.1. Diabetes Mellitus and Infections
  - 3.6.2. Chronic Thyroiditis and Infections
- 3.7. The Infectious Theory of Rheumatic Diseases
  - 3.7.1. Rheumatoid Arthritis
  - 3.7.2. Systemic Lupus Erythematosus
  - 3.7.3. Seronegative Spondyloarthropathies
  - 3.7.4. Wenerger's Granulomatosis
  - 3.7.5. Polymyalgia Rheumatica

### Module 4. The Most Lethal Respiratory Infections

- 4.1. Immunology and Defence Mechanisms of the Respiratory System
- 4.2. Influenza and Other Lethal Viral Infections
  - 4.2.1. Influenza Epidemics
  - 4.2.2. H1N1 Influenza
  - 4.2.3. Vaccine Against Influenza and the Prevention of Mortality
- 4.3. Bacterial Pneumonia: The Captain of the Armies of Death
  - 4.3.1. Community-Acquired Pneumonia (CAP)
  - 4.3.2. Intrahospital Pneumonia
  - 4.3.3. Pneumonia Associated With Healthcare
- 4.4. Tuberculosis
  - 4.4.1. Epidemiology
  - 4.4.2. Pathobiology.
  - 4.4.3. Classification
  - 4.4.4. Clinical Picture
  - 4.4.5. Diagnosis
  - 4.4.6. Treatment

- 4.5. Loeffler's Syndrome and Eosinophilic Syndromes
  - 4.5.1. Pulmonary Phase of Parasites
  - 4.5.2. Clinical and Radiological Manifestations
  - 4.5.3. Other Eosinophilic Pneumonias
- 4.6. Antimicrobials and the Respiratory System
  - 4.6.1. Antimicrobials Effective in the Respiratory System
  - 4.6.2. The Immunomodulatory Role of Macrolides in Pneumonia

## Module 5. Multi-Resistance and Vaccines

- 5.1. The Silent Epidemic of Antibiotic Resistance
  - 5.1.1. Globalisation and Resistance
  - 5.1.2. Change from Susceptible to Resistant of the Microorganisms
- 5.2. The Main Genetic Mechanisms of Antimicrobial Resistance
  - 5.2.1. Describe the Main Mechanisms of Antimicrobial Resistance
  - 5.2.2. Selective Antimicrobial Pressure on Antimicrobial Resistance
- 5.3. Superbugs
  - 5.3.1. Pneumococcus Resistant to Penicillin and Macrolides
  - 5.3.2. Multidrug-Resistant Staphylococci
  - 5.3.3. Resistant Infections in Intensive Care Units (ICUs)
  - 5.3.4. Resistant Urinary Tract Infections
  - 5.3.5. Other Multi-Resistant Microorganisms
- 5.4. Resistant Viruses
  - 5.4.1. HIV
  - 5.4.2. Influenza
  - 5.4.3. Hepatitis Viruses
- 5.5. Multidrug-resistant Malaria
  - 5.5.1. Chloroquine Resistance
  - 5.5.2. Resistance to Other Antimalarials
- 5.6. The Main Genetic Studies of Antimicrobial Resistance
  - 5.6.1. Interpretation of Resistance Studies

- 5.7. Global Strategies for Reducing Antimicrobial Resistance
  - 5.7.1. The Control of Prescribing Antibiotics
  - 5.7.2. Microbiological Mapping and Clinical Practice Guidelines
- 5.8. Overview of Vaccines
  - 5.8.1. Immunological Basis of Vaccination
  - 5.8.2. The Process of Vaccination Production
  - 5.8.3. Quality Control of Vaccines
  - 5.8.4. Vaccine Safety and Major Adverse Events
  - 5.8.5. Clinical and Epidemiological Studies for Vaccine Approval
- 5.9. The Use of Vaccines
  - 5.9.1. Vaccine-Preventable Diseases and Vaccination Programmes
  - 5.9.2. Global Experiences of the Effectiveness of Vaccination Programmes
  - 5.9.3. Vaccine Candidates for New Diseases



*Know the general aspects of vaccination, as well as its immunological basis, its production process and the risk for people"*



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.







*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 be confronted with multiple simulated clinical cases based on real patients, in which they will have to investigate, establish hypotheses and ultimately, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Pharmacists learn better, more quickly 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, attempting to recreate the actual conditions in a pharmacist'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. Pharmacists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their 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.

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.

*Pharmacists 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 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 115,000 pharmacists have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. This pedagogical methodology is developed in a highly demanding environment, with a university student body with a high socioeconomic profile and an average age of 43.5 years.

*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 created specifically for the course by specialist pharmacists who will be teaching the course, so that the didactic development is highly specific and accurate.

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.



### Video Techniques and Procedures

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current pharmaceutical care procedures. All of this, first hand, and explained and detailed with precision to contribute to assimilation and a better understanding. And best of all, you can watch them as many times as you want.



### 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 unique multimedia content presentation training system 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, 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 & 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 Clinical Infectology of Chronic and Respiratory Diseases guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Diploma in Clinical Infectology of Chronic and Respiratory Diseases** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

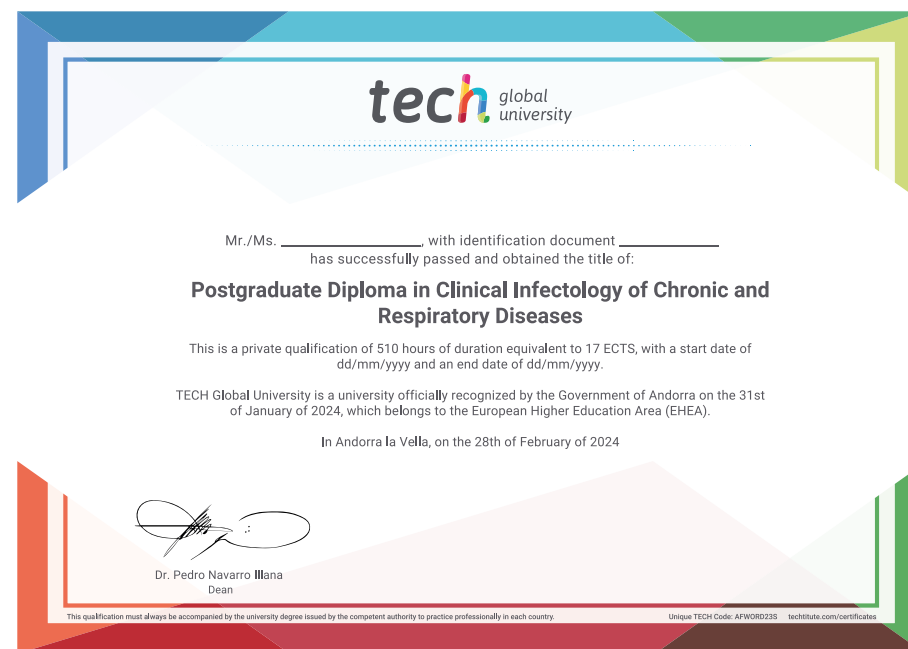
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Clinical Infectology of Chronic and Respiratory Diseases**

Modality: **online**

Duration: **6 months**

Accreditation: **17 ECTS**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University 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 languages  
classroom



**Postgraduate Diploma**  
Clinical Infectology of Chronic  
and Respiratory Diseases

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 17 ECTS
- » Schedule: at your own pace
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# Postgraduate Diploma

## Clinical Infectology of Chronic and Respiratory Diseases

