

Postgraduate Certificate

Assessment and Treatment of Community Infections





Postgraduate Certificate Assessment and Treatment of Community Infections

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/assessment-treatment-community-infections

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Certificate

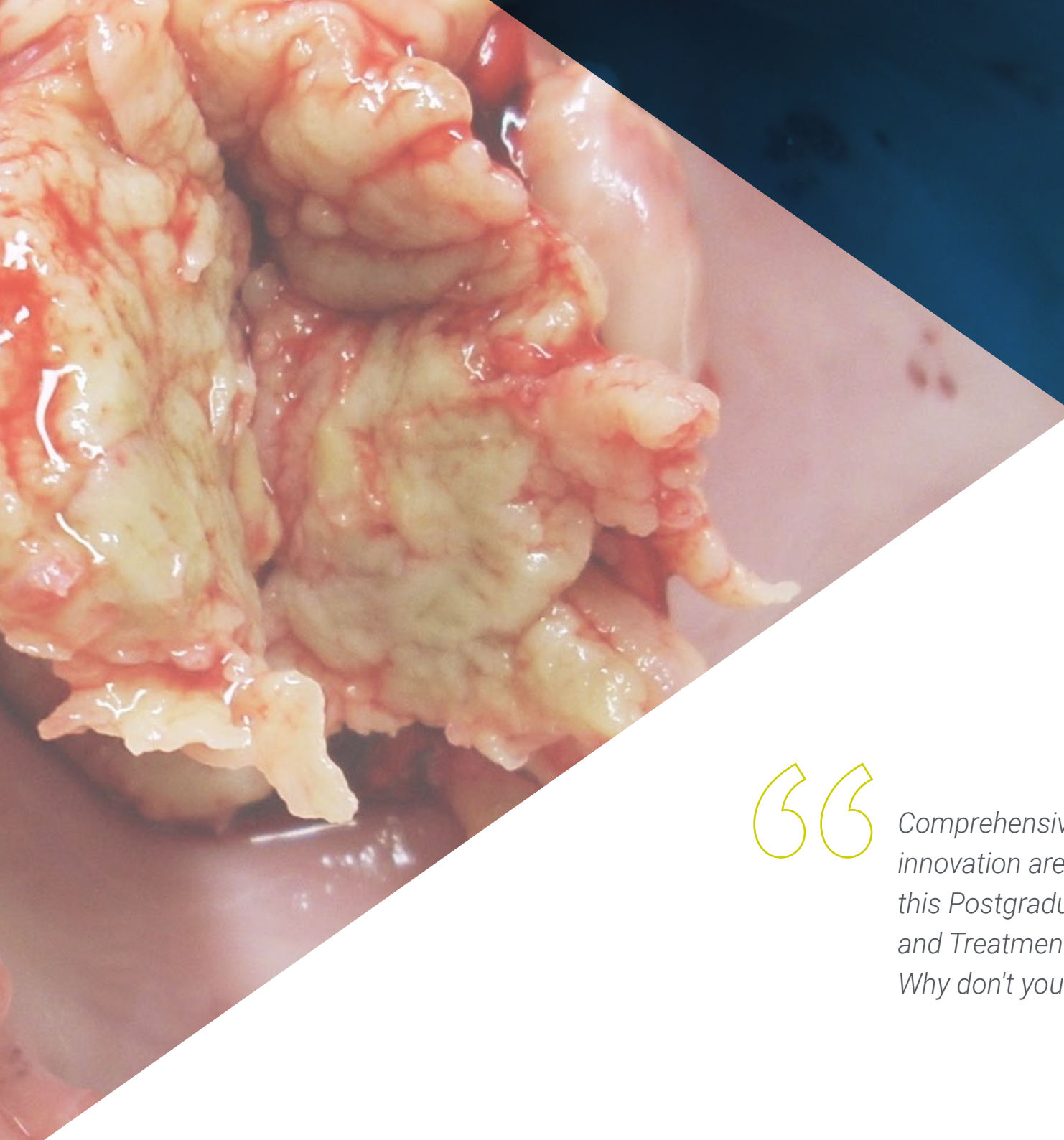
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01

Introduction

Community diseases occupy most of the agenda of many medical specialists and although in most cases they are usually diagnosed and cured effectively and without the patient being greatly affected, the truth is that they can lead to serious infections that could aggravate the patient's health considerably. For this reason, the immediate and accurate performance of the professional, taking into account the latest developments related to this sector, is essential, always thinking of the patient's prompt recovery. In order for the graduates to be able to work on perfecting their skills in this field, TECH has developed this comprehensive program. This is a 100% online program with which you will be able to update your knowledge in infectious diseases in a guaranteed way and through the most innovative academic tools in the university sector.





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Comprehensiveness, versatility and innovation are the three words that define this Postgraduate Certificate in Assessment and Treatment of Community Infections. Why don't you enroll and see for yourself"

The advances that have been made in medicine have made it possible to treat diseases that during a historical period caused many deaths, but that today are considered community pathologies, an example of this is bronchitis. However, although these professionals have to deal with these types of conditions on a daily basis and most cases are handled without difficulty, it may happen that the patient's health worsens, leading to a serious infection that can spread throughout the body and even cause death.

For this reason, the Postgraduate Certificate in Assessment and Treatment of Community Infections is the best option if you are looking to keep up to date with the latest developments in this field. It is a program designed by experts in Infectious Diseases with an extensive and long career in this field, which includes 180 hours of diverse content based on current scientific evidence. Thanks to this, you will be able to delve into aspects such as the assessment of patient severity, the importance of biomarkers, severe sepsis, septic shock and other types of infections.

All this, through a 100% online program, which includes sufficient additional material to delve into each aspect of the agenda in a personalized way. In addition, you will be able to access the virtual classroom from any device with an internet connection, which will allow you to access it whenever you want, with a schedule fully adapted to your availability and from anywhere.

This **Postgraduate Certificate in Assessment and Treatment 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



If you are looking to delve into what's new in infectious disease severity assessment this program is perfect for you"

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The update you were looking for to learn in detail about the latest developments related to biomarker support in the diagnosis of infection"

A 100% online program that will allow you to contact you from anywhere and with a personalized schedule based on your complete and absolute availability.

You will be able to get up to date with the basic principles in the assessment of the indication and choice of empirical antibiotic treatment with this Postgraduate Certificate.

The program includes in its teaching staff professionals from the sector who bring to this program the experience of their work, as well as recognized 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 education programmed to learn 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 during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.



02

Objectives

This program has been designed with the aim of providing the medical specialist with detailed knowledge of the latest developments in the assessment and treatment of community infections. That is why TECH has selected the most exhaustive and innovative information, extracted from the most reliable sources of Infectious Diseases. In addition, you will be provided with state-of-the-art university educational technology, which will facilitate your update in a guaranteed way.





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TECH employs state-of-the-art university educational technology in each program to make your academic experience the best and most effective”

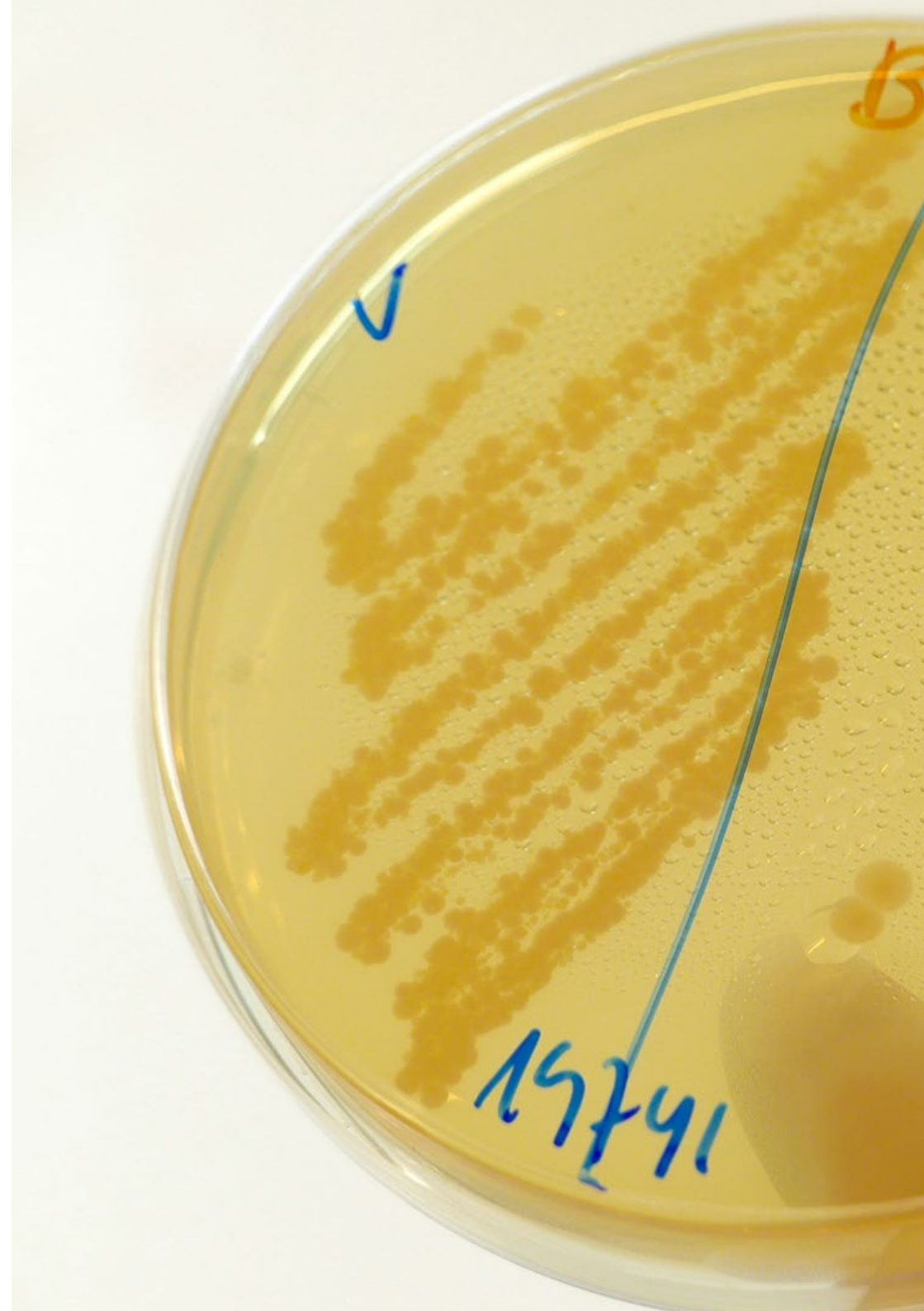


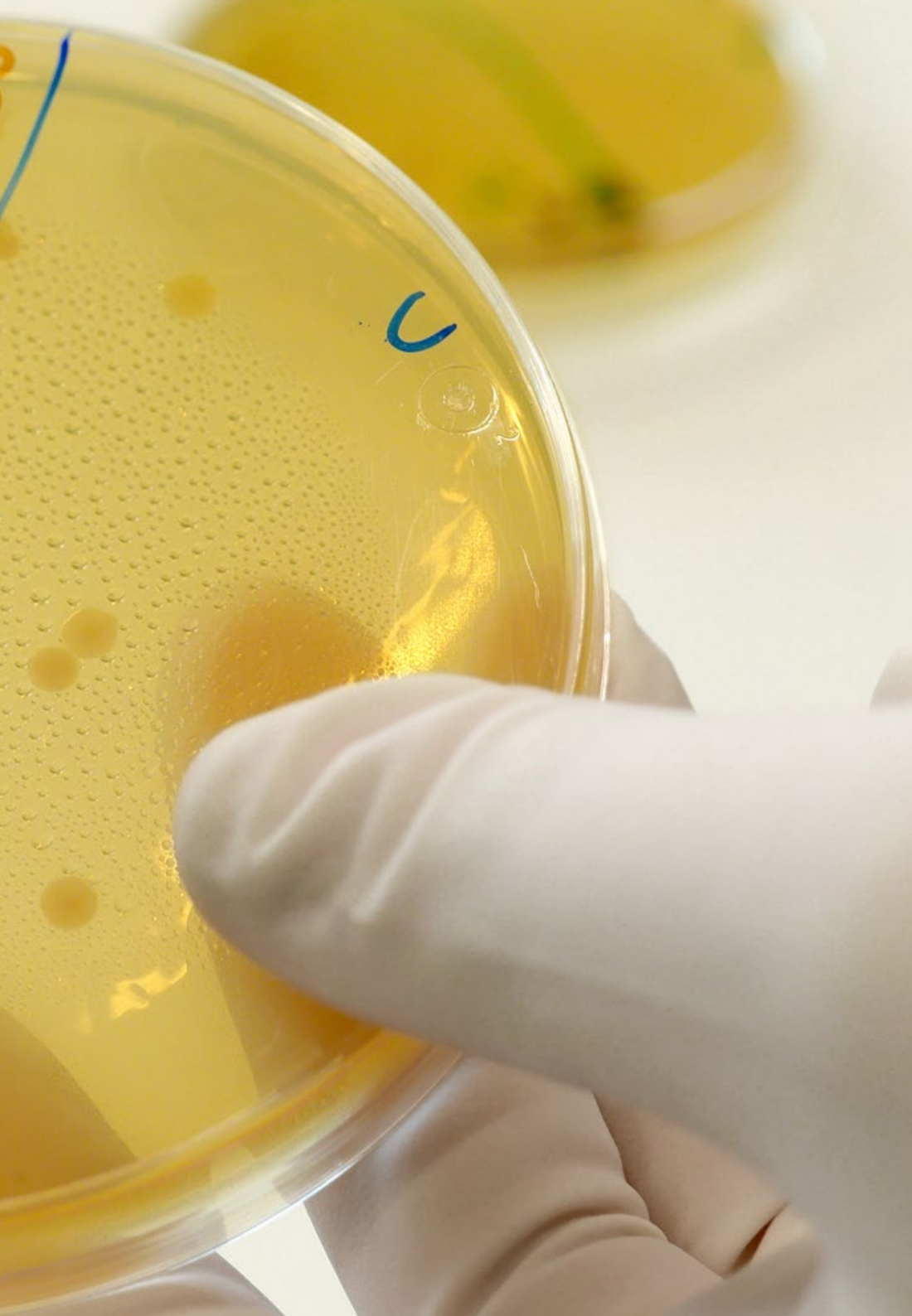
General Objectives

- Develop specialized knowledge on the assessment and treatment of community infections
- Know in detail the clinical strategies that are currently having the best results

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A perfect program to catch up on the latest developments related to septic shock and implement the latest sepsis code into your medical practice”





Specific Objectives

- ♦ 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.

03

Course Management

The faculty of this Postgraduate Certificate is formed by experts in Infectious Diseases with a wide and extensive work experience in the sector. It is a team of specialists versed in the field, also characterized by their human, professional and teaching quality, aspects that have undoubtedly been reflected in the syllabus. In addition, they will be available to the graduates at all times, so that they can resolve any doubts related to the program through individualized tutorials in the Virtual Classroom.





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Is there a better way to learn more about CNS infections than from real experts in Infectious Diseases? TECH gives you this opportunity and many more! Enroll and discover them"

International Guest Director

A pioneer in the use of CD8+ T Cells as a therapeutic tool for various Viral Infections, Dr. Otto Yang is a prestigious Physician highly specialized in Cellular Immunology. In addition, he has led multiple scientific research projects that have laid the groundwork for the development of innovative therapies and even vaccines.

In this sense, he has worked in health institutions of international reference such as UCLA Health in California. In this way, his work has been focused on the creation and implementation of modern treatments to manage conditions related to HIV, AIDS or cancer. Thanks to this, he has driven advances in the design of personalized immunological treatments adapted to the specific needs of each patient. As a result, he has managed to optimize the overall well-being of numerous patients in the long term.

Moreover, he has been a key figure in the conduct of clinical trials related to COVID-19. As such, he has conducted a variety of comprehensive analyses to evaluate the effects of therapies such as Remdesivir, Baricitinib and even Monoclonal Antibodies. Such work has been essential to identify the most effective therapeutic options and improve informed clinical decision making on a global scale in the face of the SARS-CoV-2 outbreak.

Throughout its 40-year history, its clinical excellence has been rewarded on several occasions in the form of awards. An example of this is the award he received from the American Association of Immunologists for his CAR-T therapies for the treatment of leukemias. In his strong commitment to advancing healthcare, he has led a wide range of projects that have received more than 30 million dollars in funding. These achievements reflect his strategic leadership in generating cutting-edge solutions that bring tangible value to society.



Dr. Yang, Otto

- Chief of the Division of Infectious Diseases at UCLA Health in California, United States
- Founder and Chief Medical Officer of CDR3 Therapeutics, California
- Director of Scientific Research at AIDS Healthcare Foundation, Los Angeles, Los Angeles
- Research Scientist with over 170 published papers
- Scientific Director of Ozymia, Los Angeles
- HIV Physician at MCI-Cedar Junction, Massachusetts
- Infectious Diseases Internship at Harvard Medical School
- Internal Medicine Residency at Bellevue Hospital, New York
- M.D. from Brown University
- Member of: Board of Directors at California Applied Medicine and Frontida Electronic Health Records Software



Thanks to TECH, you will be able to learn with the best professionals in the world"

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. 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 field 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 of the 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. 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. Mora Rillo, Marta

- ♦ Specialist in the field 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

For the elaboration of the structure and content of this program, TECH has taken into consideration the criteria of the teaching team, which has been in charge of not only shaping the syllabus, but also designing and selecting all the additional material included. Thanks to this, the specialists will have access to an intensive, dynamic, innovative and multidisciplinary Postgraduate Certificate, which will allow them to get up to date on the subject in less than 6 weeks and best of all: 100% online.



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Thanks to the Relearning methodology and the additional material you will find in the Virtual Classroom, you will enjoy a dynamic, austere, innovative and highly beneficial update for your professional performance"

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





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You will not find in the academic market any program that, in only 6 weeks, and in a guaranteed way, offers you as many possibilities as this one. Will you choose us?"

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 Assessment and Treatment of Community Infections guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.





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

This program will allow you to obtain your **Postgraduate Certificate in Assessment and Treatment of Community Infections** 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** title 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 Certificate in Assessment and Treatment of Community Infections**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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