

Postgraduate Certificate

Urinary Tract and Sexually Transmitted Infections



Postgraduate Certificate Urinary Tract and Sexually Transmitted Infections

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 5 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicine/postgraduate-certificate/urinary-tract-sexually-transmitted-infections

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01

Introduction

Urinary tract infections become highly prevalent in patients, mainly affecting women. Although research continues to develop effective vaccines, the success rate is still limited. On the other hand, sexually transmitted infections affect about one million people every day.. These are pathologies whose approach requires medical specialists who are up to date with the latest advances. And this can be achieved with this program, analyzing the therapeutic solutions to Herpes, the response of the genitourinary system or examining urinary tract infections in patients with bladder catheters. All this, in a 100% online way.



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The program you needed to delve into urinary tract infections in patients with bladder catheter, prostate and elderly, which will give greater effectiveness to your medical performance”

The female anatomy causes urinary tract infections to be more frequent among women. In fact, it is estimated that half of them may suffer an infectious pathology during their lifetime. It is also advisable to be extremely cautious, as untreated infections are likely to cause more serious health problems. In the case of sexual infections, these may go unnoticed until complications arise, and the focus should be on diagnostic capabilities.

It is not surprising, therefore, that more and more physicians are calling for a guaranteed preparation in order to reach the next level of to reach the next level in the approach to these complex pathologies. Therefore, they will find the solution with this Postgraduate Certificate, which will allow them to expand their skills in line with the latest scientific advances.

During the course of this program, the student will analyze the Epidemiology of urinary tract infections, with special emphasis on the factors that explain the high morbidity rate in women. Time will also be devoted to examine the different Sexually Transmitted Infections (STI) and the current management of these infectious pathologies.

Therefore, the Postgraduate Certificate in Urinary Tract and Sexually Transmitted Infections is a fantastic opportunity for specialists, who will benefit from its online nature to avoid any problems in combining it with their professional activity.

This **Postgraduate Certificate in Urinary Tract and Sexually Transmitted Infections** contains the most complete and updated scientific program on the market.

Its most notable features are:

- ♦ The development of practical cases presented by experts in Urinary Tract and Sexually Transmitted Infections
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable 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 work.
- ♦ The availability of access to the contents from any fixed or portable device with an Internet connection.



It will be your great opportunity to expertly dimension with precision the extent of urinary tract infections and the immune response in the genitourinary system"

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You will become an expert in approaching troublesome diseases such as Trichomoniasis and Genital Candidiasis, determining their epidemiological characteristics."

The program's teaching staff includes professionals from the field 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 specialization programmed to prepare in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional will have to try to solve the different professional practice situations that will arise throughout the academic course. To do so, they will have the help of an innovative interactive video system created by recognized experts.

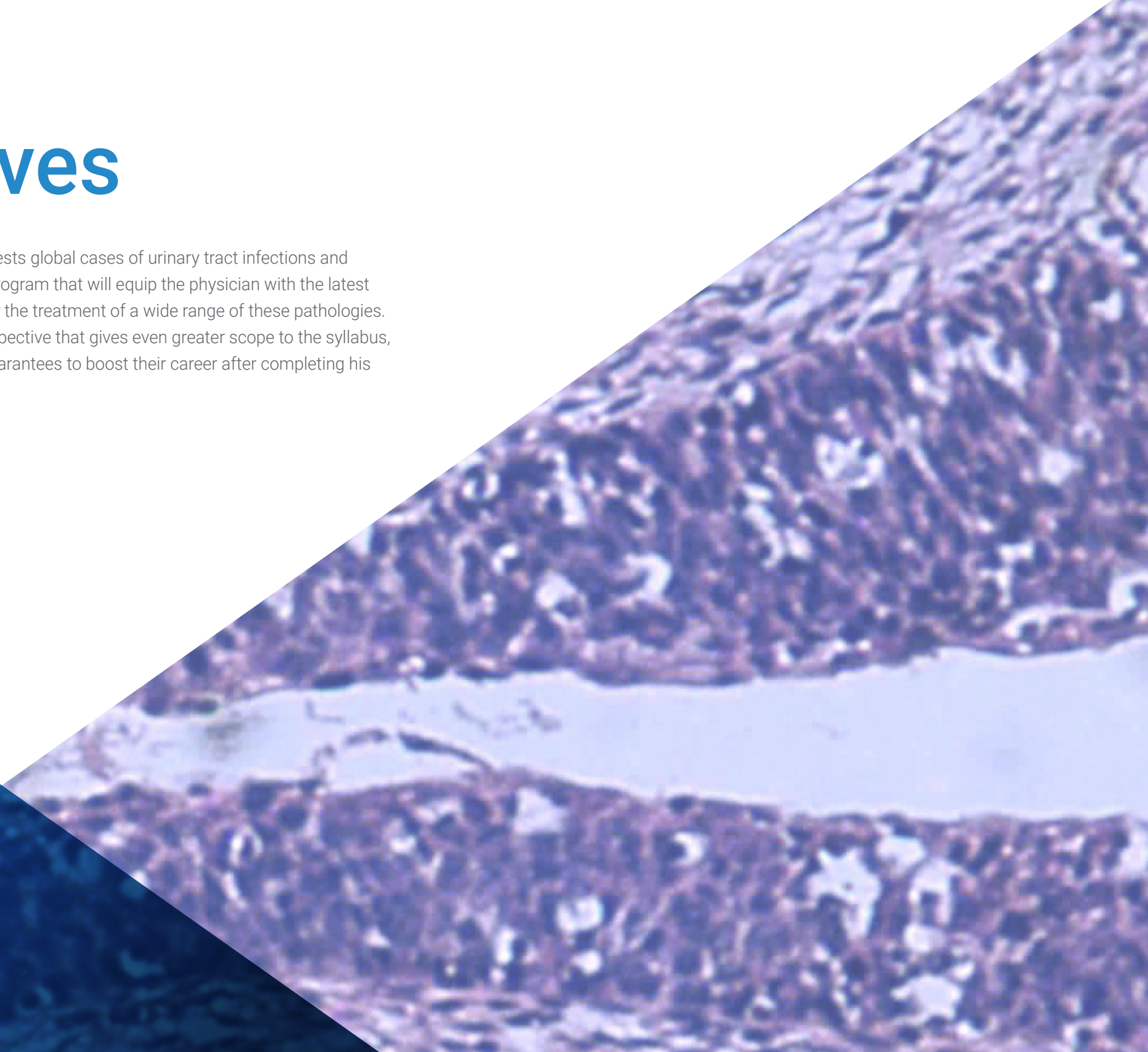
Thanks to this program you will design innovative therapeutic alternatives to treat Herpes.

If you were looking to identify the latest updates in STIs, with this program you will classify them into viral and bacterial.



02 Objectives

In a society that increasingly manifests global cases of urinary tract infections and STIs, TECH provides a high-value program that will equip the physician with the latest diagnostic and therapeutic tools for the treatment of a wide range of these pathologies. It offers, in this sense, a global perspective that gives even greater scope to the syllabus, so that students will have all the guarantees to boost their career after completing his academic cycle.



“

TECH intends with this program to turn you into the specialist physician of the future thanks to the latest advances in the treatment of Lymphogranuloma Venereum or HIV”.



General Objectives

- ♦ Gain in-depth knowledge of key aspects of Infectious Diseases
- ♦ Manage prevention, diagnosis and treatment of infectious diseases
- ♦ Delve into a multidisciplinary and integrative approach that facilitates the control of these pathologies
- ♦ Acquire competences related to the area of Clinical Infectious Diseases and Advanced Antibiotics Therapeutics.
- ♦ Be able to apply the latest technological innovations in order to establish an optimal management in the diagnosis



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"





Specific Objectives

- ♦ Assess the extent of urinary tract infections and immune response in the genitourinary system
- ♦ Know in detail the urinary tract infections in patients with bladder catheter, prostate and elderly
- ♦ Review the latest updates on STIs, as well as the main pathologies of this group according to their classification into viral and bacterial
- ♦ Analyze the current approach to herpes and the therapeutic alternatives that have gained the most popularity among specialists



You will incorporate into your work methodology the medical strategies that have been shown to be most effective in addressing Multidrug-Resistant Gonococcus."

03

Course Management

The profound knowledge in infections of the urinary system and STIs and a remarkable professional background in leading clinical institutions are the elements that moved TECH to incorporate the professors chosen to teach this program. In this sense, they come from different branches of medicine and have developed an extensive research work in infectious pathologies, bringing a multidisciplinary perspective to the program that will play in favor of the student.





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With TECH you won't have to worry about the teaching team meeting your expectations, as the university only brings together the best to provide you with the keys to the approach to infections”

Management



Dr. Díaz Pollán, Beatriz

- ♦ Specialist in internal medicine with experience in infectious diseases
- ♦ Area Specialist, Department of Internal Medicine, Infectious Diseases Unit, La Paz University Hospital
- ♦ Associate Physician, Department of Internal Medicine, Infectious Diseases Unit, San Carlos Hospital
- ♦ Associate Researcher in several research projects
- ♦ Author of dozens of scientific articles on Infectious Diseases
- ♦ Master's Degree in Infectious Diseases and Antimicrobial Therapy from CEU Cardenal Herrera University
- ♦ Specialist in community and non-transmissible infections from the CEU Cardenal Herrera University
- ♦ Specialist in Infectious Diseases and Chronic and Imported Infectious Diseases from CEU Cardenal Herrera University.
- ♦ Member of the Spanish Society of Infectious Diseases and Clinical Microbiology.

Professors

Dr. Rico Nieto, Alicia

- ♦ Microbiology and Parasitology Specialist and Infectious Diseases Expert
- ♦ Assistant Physician, Infectious Diseases Unit, La Paz University Hospital, Madrid
- ♦ Specialist in Microbiology at La Paz University Hospital, Madrid
- ♦ Researcher at the Research Institute of the La Paz University Hospital, Madrid
- ♦ Author of numerous scientific publications
- ♦ Member of the Board of Directors of the Osteoarticular Infection Study Group and the Spanish Society of Infectious Diseases and Clinical Microbiology.

Dr. Loeches Yagüe, María Belén

- ♦ Associate Physician of the Infectious Diseases Unit at the General University Hospital of La Paz, Madrid
- ♦ Doctorate in Medicine from the Autonomous University Madrid
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Master in Theoretical and Practical Learning in Infectious Diseases from the Complutense University of Madrid
- ♦ Specialized training in Microbiology and Infectious Diseases, Gregorio Marañón General University Hospital,
- ♦ Professor of Infectious Diseases, Infanta Sofía University Hospital, Madrid

Dr. Arribas López, José Ramón

- ♦ Section Chief of the Infectious Diseases and Clinical Microbiology Unit of the Internal Medicine Department of the La Paz University Hospital
- ♦ Coordinator of the High Level Isolation Unit at the Hospital La Paz - Carlos III
- ♦ Director of the the Research Institute of La Paz University Hospital (IdiPAZ)
- ♦ Director of La Paz University Hospital's Foundation
- ♦ Doctor in the Infectious Diseases Unit at Barnes Hospital in the USA
- ♦ Doctor of Medicine, UAM
- ♦ Member of the Inter-Ministerial Committee for the Management of the Ebola Crisis

Dr. Branches Ramos, Juan Carlos

- ♦ Internal Medicine Specialist
- ♦ Assistant Physician of the Infectious Diseases Unit of La Paz University Hospital, Madrid
- ♦ Intern at the University Hospital Sanitas La Zarzuela Madrid.
- ♦ PhD in Medicine and Surgery from the University of Alcalá de Henares
- ♦ Master's Degree in Infectious Diseases in Intensive Care from the Foundation University-Business Foundation of the University of Valencia

Dr. Mora Rillo, Marta

- ♦ Internal Medicine Specialist at La Paz University Hospital, Madrid.
- ♦ Clinical Researcher in Infectious Diseases
- ♦ Author of various scientific articles on Infectious Diseases
- ♦ Collaborating Teacher in university studies of Medicine
- ♦ Doctorate in Medicine from the Autonomous University Madrid
- ♦ Master's Degree in Infectious Diseases in Intensive Care by the University of Valencia
- ♦ Master's Degree in Tropical and Health Medicine, Autonomous University of Madrid
- ♦ University Expert in Emerging and High Risk Virus Pathology from the Autonomous University of Madrid

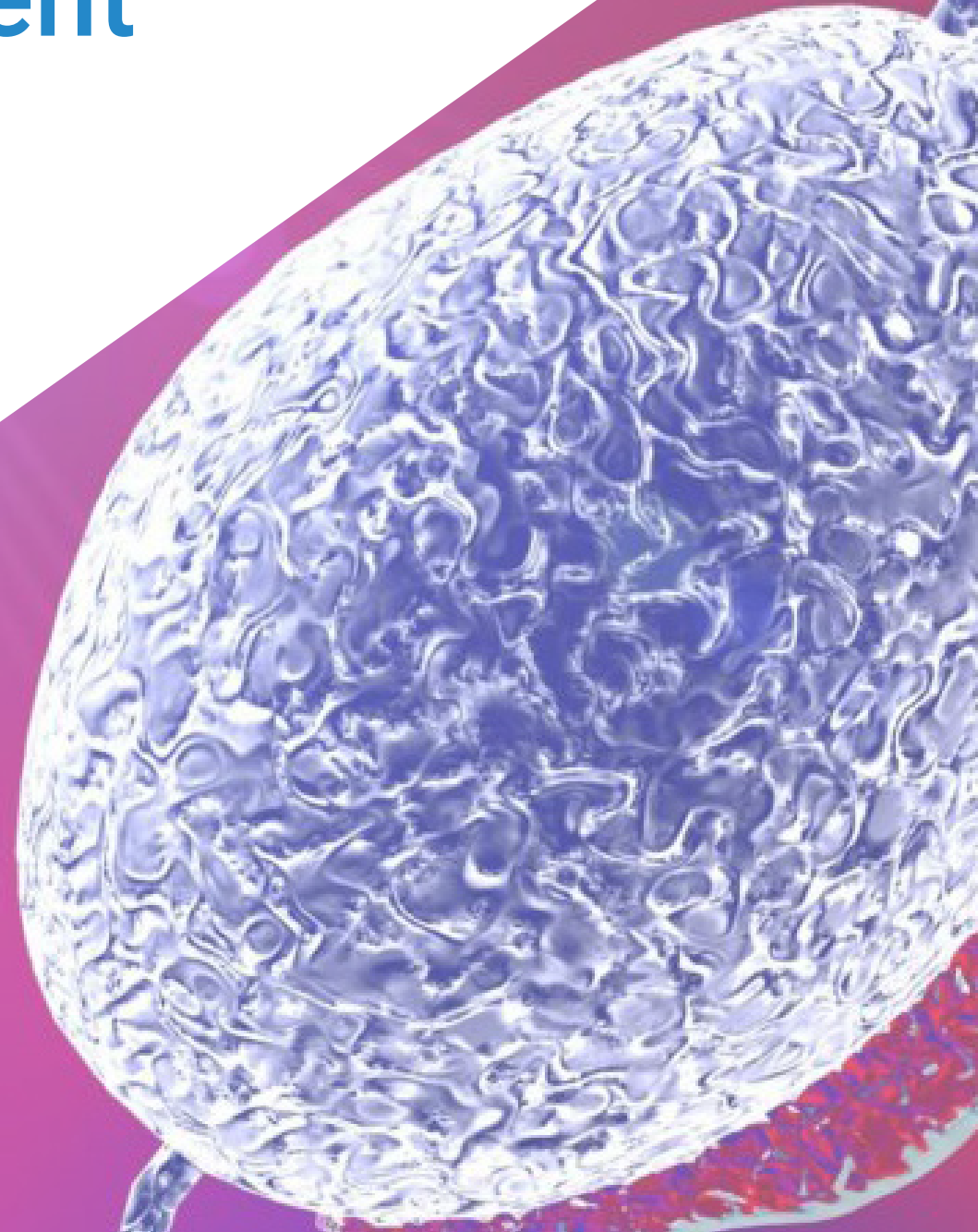


Take the step to get up to date on the latest developments in Urinary Tract and Sexually Transmitted Infections."

04

Structure and Content

In addition to having the close supervision of the best experts in the field, students will see their academic progress boosted by the educational innovations that TECH applies in the Virtual Campus. In this sense, students will enrich their educational experience by consulting digital resources such as video medical procedures, case studies, interactive diagrams or complementary readings. Therefore, through repetition, they will assimilate each and every one of the concepts, which is known as Relearning.



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Gonorrhea, Syphilis, Soft Chancroid, etc. You will analyze the clinical picture of all STIs by consulting the contents of this syllabus”.

Module 1. Urinary Tract and Sexually Transmitted Infections

- 1.1. Epidemiology of Urinary Tract Infection
 - 1.1.1. Factors Explaining the Increased Morbidity of Urinary Tract Infection in Women
- 1.2. Immunology of the Urinary System
- 1.3. Classification of Urinary Tract Infection
- 1.4. Urinary Infection
 - 1.4.1. Etiology
 - 1.4.2. Clinical Picture
 - 1.4.3. Diagnosis
 - 1.4.4. Treatment
- 1.5. Urinary Tract Infection in the Bladder Catheterised, Prostatic and Elderly Patient
- 1.6. Most commonly Used Antimicrobials in Urinary Tract Infections
 - 1.6.1. Pharmacological Elements
 - 1.6.2. Antimicrobial Resistance of the Main Bacteria Affecting the Urinary Tract
- 1.7. Epidemiological Update on Major STIs
- 1.8. Viral STIs
 - 1.8.1. Perinatal Herpes Simplex
 - 1.8.2. Viral Hepatitis
 - 1.8.3. Human Papillomavirus
 - 1.8.4. HIV
- 1.9. Bacterial STIs
 - 1.9.1. Gonorrhoea
 - 1.9.2. Syphilis
 - 1.9.3. Soft Chancre
 - 1.9.4. Lymphogranuloma Venereum





- 1.10. Trichomoniasis and Genital Candidiasis
- 1.11. Trichomoniasis: Epidemiology, Aetiology, Clinical Picture, Diagnosis and Treatment
- 1.12. Genital Candidiasis: Epidemiology, Etiology, Clinical Picture, Diagnosis and Treatment
- 1.13. The Syndromic Approach to STIs and Control Measures
 - 1.13.1. Main Clinical Framework
 - 1.13.2. STI Control Measures
- 1.14. Multidrug-Resistant Gonococcus: Therapeutic Alternatives
 - 1.14.1. Global Situation
 - 1.14.2. Alternative Treatments
- 1.15. Current Management of Recurrent Herpes Infection
 - 1.15.1. Focus Latest Information of Recurrent Herpes Infection



Access the agenda with your Tablet or even Smartphone to delve into the pharmacological elements of the most commonly used antimicrobials in urinary tract infections."

05 Methodology

This 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.



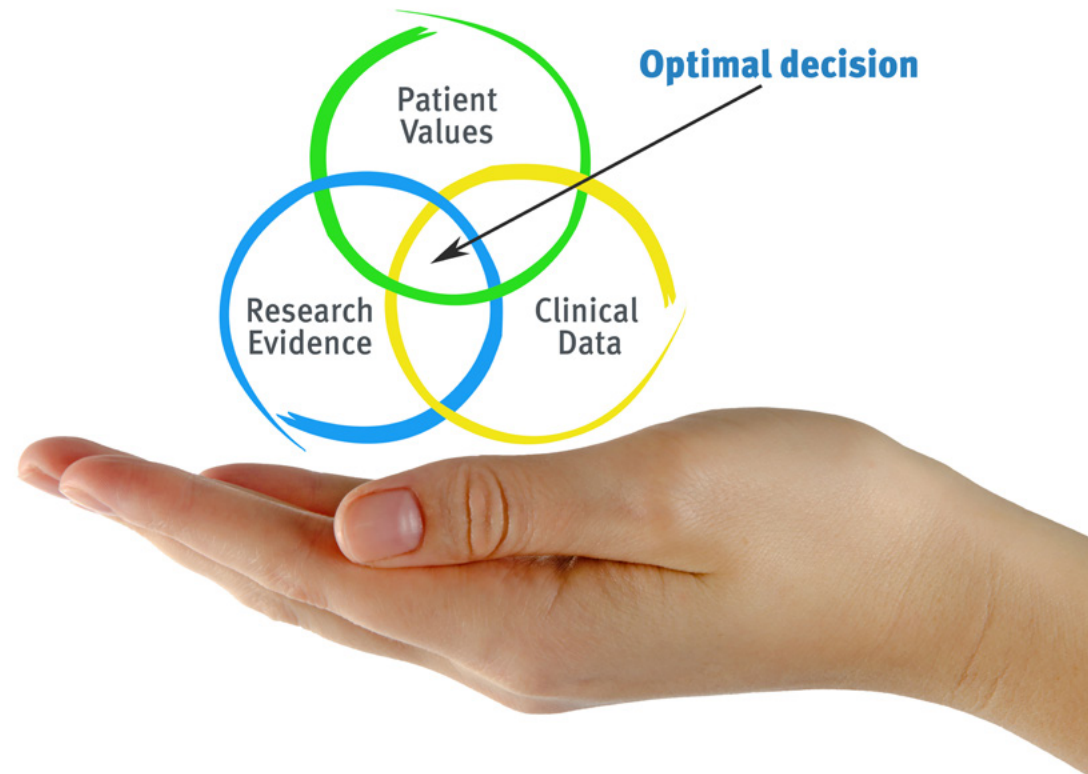
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”

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 assess 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

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

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 prepared with unprecedented success in all clinical specialties regardless of surgical load. Our educational 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 adapted in 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.

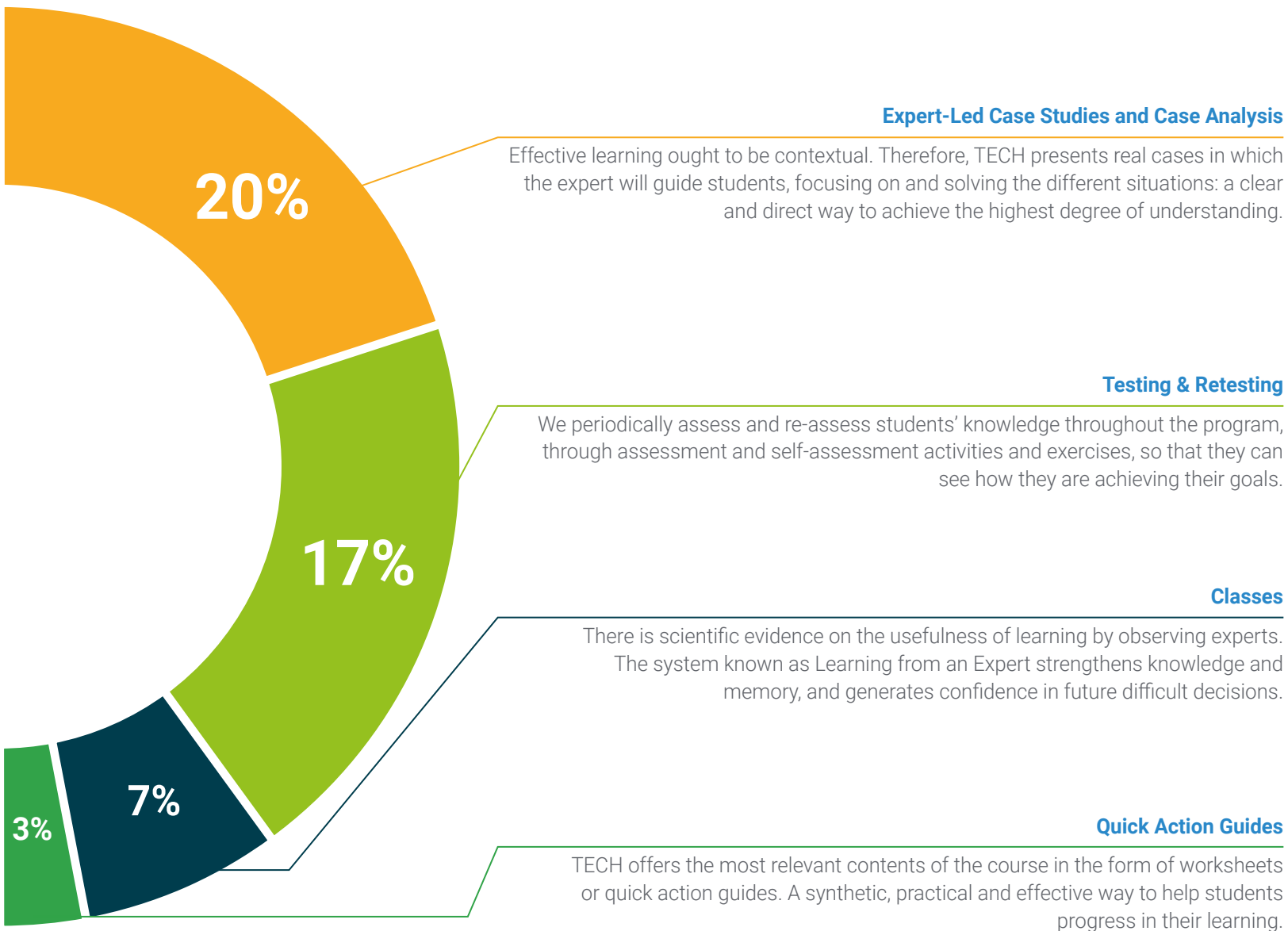
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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.





06 Certificate

The Postgraduate Certificate in Urinary Tract and Sexually Transmitted Infections guarantees, in addition to the most accurate and up-to-date knowledge, 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 private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Urinary Tract and Sexually Transmitted 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** 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 Certificate in Urinary Tract and Sexually Transmitted Infections**

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