

# Postgraduate Certificate

Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room



## Postgraduate Certificate

### Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room

- » Modality: online
- » Duration: 2 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/pk/medicine/postgraduate-certificate/urinary-tract-genital-sexually-transmitted-infections-emergency-room](http://www.techtute.com/pk/medicine/postgraduate-certificate/urinary-tract-genital-sexually-transmitted-infections-emergency-room)

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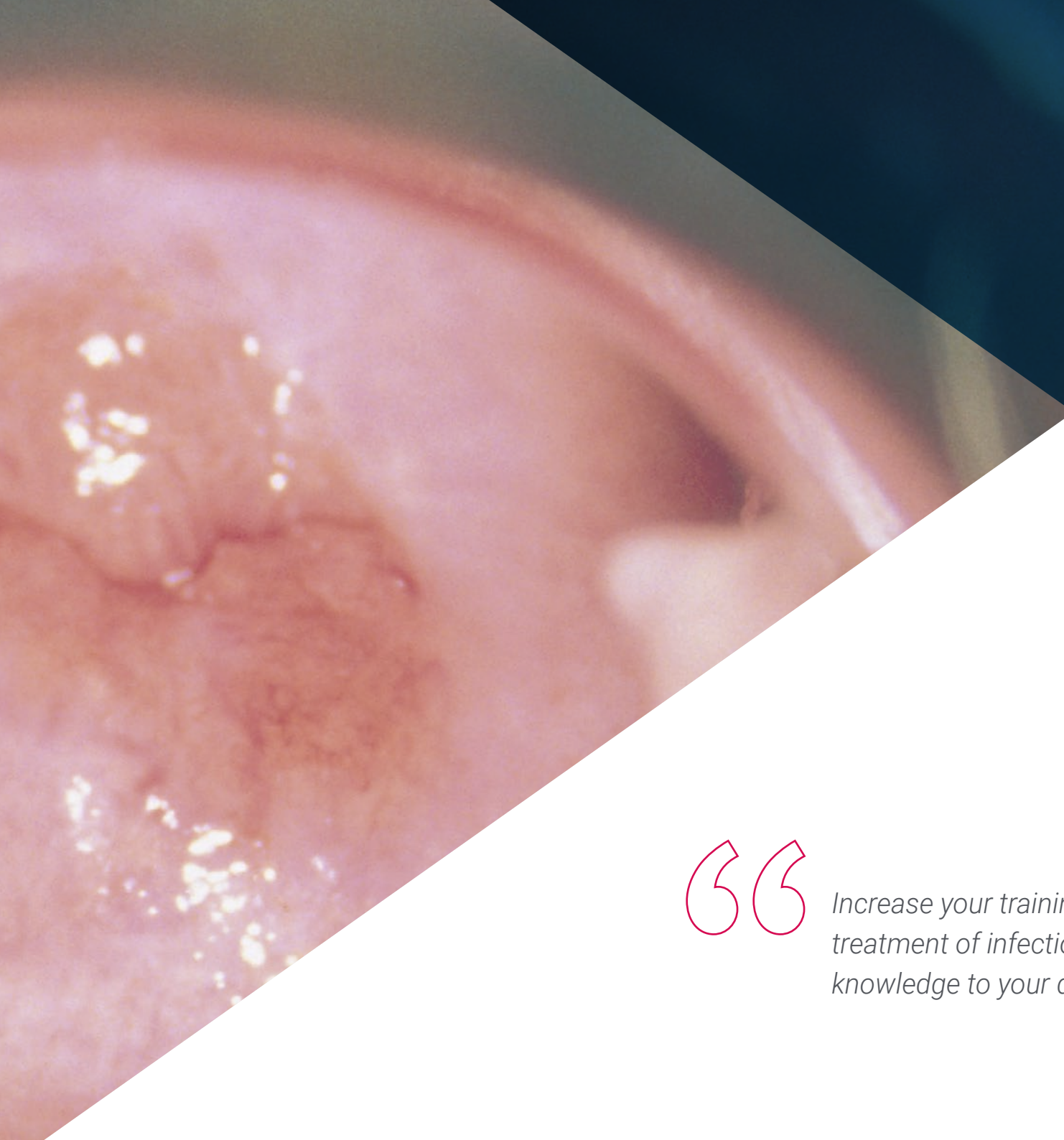
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# 01

# Introduction

Infectious diseases present a wide variety of symptoms, but sometimes they are so mild that they do not cause any discomfort in patients, so that diagnoses are not made as early as recommended to achieve an immediate solution. The high qualification of the physician in this field is what will allow him to act early and achieve improvements in the treatment. In Order to specialize in this sector, we present this program on urinary tract, genital and sexually transmitted infections, a unique opportunity to increase your training.





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*Increase your training in the diagnosis and treatment of infectious diseases and bring more knowledge to your daily practice”*

Physicians face new challenges every day in the Emergency Department, an area in which they must be highly qualified to act in extreme situations and risk situations for the patient, where every decision is essential to achieve an early improvement and avoid complications in the patient. To help you update your knowledge about the infections that can occur to a greater extent in these centers, at TECH we have designed a specific course on urinary tract, genital and sexually transmitted infections, with a totally new and high quality syllabus for you to acquire, in a short time, the specific knowledge you need to develop in this field.

These types of infections present different symptoms depending on the person. Thus, urinary tract infections are more frequent among women, due to the female anatomy. In fact, it is estimated that half of all women may experience a urinary tract infection in their lifetime. These pathologies are easily treated, but untreated infections can lead to more serious health problems.

For their part, sexually transmitted infections can go unnoticed by sufferers, as some may not present physical symptoms, making diagnosis difficult until there is a complication. In addition, there are sexually transmitted infections that can be passed from pregnant mothers to their children, leading to serious problems or even death. Therefore, when these patients arrive at the emergency room it is usually because they already have severe symptoms.

One of the main advantages of this program is that, as it is a 100% online training, the professional will be able to decide when and from where to study, without commitments or obligations, thus being able to combine his or her study time with the rest of his or her daily obligations.

This **Postgraduate Certificate in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room** contains the most complete and up-to-date scientific program on the market. The most important features of the course are:

- Clinical symptom from cases presented by experts in the field
- The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- Therapeutic novelties on intervention in urinary tract, genital and sexually transmitted infections in the emergency room.
- Practical exercises where the self-assessment process can be carried out to improve learning.
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- Special emphasis on research 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.



*This program will allow you to update your knowledge to offer more specific and personalized care to your patients"*



*This course is the best investment you can make in selecting an up-to-date program for two reasons: in addition to updating your knowledge of Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room, you will earn a Postgraduate Certificate from TECH"*

Its teaching staff includes professionals belonging to the field of Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room, who contribute their work experience to this training, in addition to recognized specialists from leading scientific societies.

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 an immersive training experience designed to train for real-life situations.

This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the academic year. For this purpose, the professional will be assisted by an innovative interactive video system developed by recognized experts in the field of urinary tract, genital and sexually transmitted infections with extensive teaching experience.

*Increase your decision-making confidence by updating your knowledge through this program.*

*We have the most advanced teaching methodology of the moment and a multitude of practical cases with which you will be able to carry out a more complete and real study of the situations you will face in your daily practice.*

02

# Objectives

The Postgraduate Certificate in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room is aimed at facilitating the performance of the professional dedicated to the treatment of urgent infectious pathology in all areas, but , especially in the emergency room.







Syphilis :

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*Get superior training and advance every day in your profession. You will achieve personal and professional growth"*



## General Objectives

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- Provide the theoretical knowledge necessary to understand the environment in which professional care is given to patients with infectious diseases.
- Provide the appropriate treatment in the different cases of infectious diseases.
- Gain in-depth understanding of the areas in which professionals must be trained, in order for them to be able to provide the best practice when treating infectious diseases.





## Specific Objectives

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- ◆ Explain the diagnosis and treatment of cystitis in the emergency room.
- ◆ Explain the diagnosis and treatment of asymptomatic bacteriuria in the emergency room.
- ◆ Explain the diagnosis and treatment of a UTI in patients with bladder catheterization in the emergency room.
- ◆ Explain the diagnosis and treatment of prostatitis in the emergency room.
- ◆ Explain the diagnosis and treatment of pyelonephritis in the emergency room.
- ◆ Explain the diagnosis and treatment of a perinephritic abscess in the emergency room.
- ◆ Explain the diagnosis and treatment of orchiepididymitis in the emergency room.
- ◆ Explain the diagnosis and treatment of vulvovaginitis and cervicitis in the emergency room.
- ◆ Explain the diagnosis and treatment of pelvic infections in the emergency room.
- ◆ Explain the diagnosis and treatment of intrapartum, postpartum and postabortive infections in the emergency room.
- ◆ Explain the diagnosis and treatment of inflammatory pelvic disease in the emergency room.
- ◆ Explain the diagnosis and treatment of urethritis in the emergency room.
- ◆ Explain the diagnosis and treatment of periocular infections which cause skin and genital mucosa lesions.

# 03

# Course Management

The program includes in its teaching staff reference specialists in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room and other related areas, who pour into this training the experience of their work. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.



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*We have the best professionals to offer you a high level of training”*

## Management



### Dr. García Rodríguez, Magdalena

- ◆ Degree in Medicine and Surgery
- ◆ Specialist in Internal Medicine
- ◆ Attending Physician in the Infectious Diseases Unit and the Consorcio General Hospital Valencia
- ◆ Head of the International Health and Travel Advice Section
- ◆ Author of several publication and research projects
- ◆ Founding member and advisor of the Chagas Disease Association of the Valencian Community
- ◆ Member of a vaccine study group for the Spanish Society of Infectious Diseases and Clinical Microbiology.
- ◆ Member of a Malaria study group for the Spanish Society of Infectious Diseases and Clinical Microbiology.



### Dr. Ricart Olmos, María del Carmen

- ◆ Degree in Medicine and Surgery
- ◆ Specialist in Internal Medicine
- ◆ Attending Physician in the Infectious Diseases Unit and the Consorcio General University Hospital, Valencia
- ◆ Author of several publication and research projects
- ◆ Editor of the Consensus Document on Age and Human Immunodeficiency Virus Infection Expert Group of the Secretariat of the National AIDS Plan (SPNS), Spanish Society of Geriatrics and Gerontology (SEGG).
- ◆ Master's Degree in Infectious Diseases in Intensive Care



### Dr. García Deltoro, Miguel

- PhD in Medicine from the University of Valencia
- Head of the Infectious Diseases Service at the Consortium General University Hospital in Valencia.
- 50 national and international publications in journals and books, 33 of them indexed in Pubmed and/or Scopus.
- President Congress of the National Group for the Study of Hepatitis of the Society for Infectious Diseases and Clinical Microbiology 2017
- More than 200 communications to National and International Congresses in the specialty of Infectious Diseases, HIV and Viral Hepatitis.
- Principal Investigator of some thirty Clinical Trials and/or Research Projects and collaborating researcher.

# 04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best hospitals and universities in the country, aware of the relevance of current training to intervene in the treatment and monitoring of urinary tract infections, genital and sexually transmitted infections in the Emergency Room and committed to quality teaching through new educational technologies.



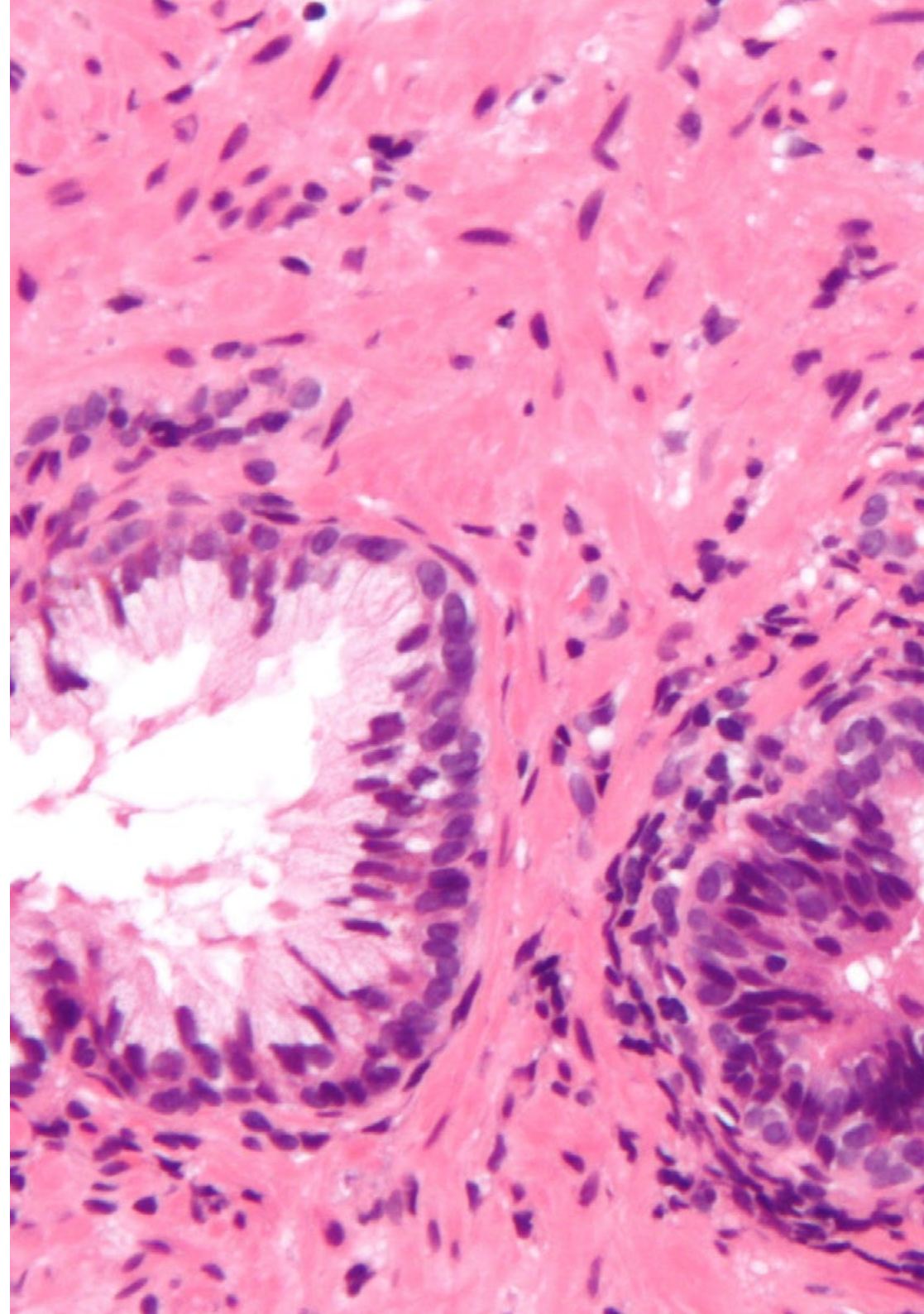


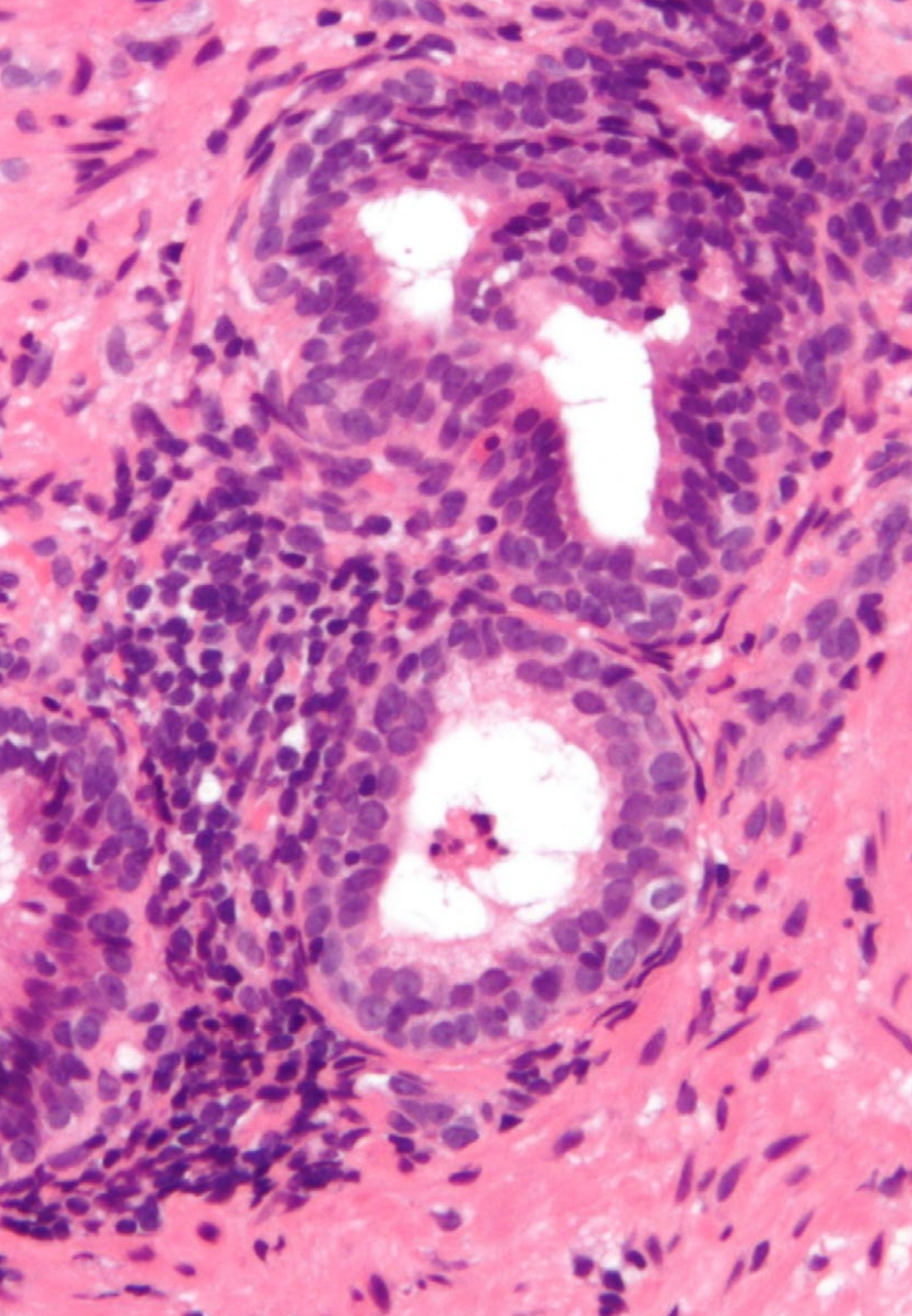
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*This course contains the most complete and up-to-date scientific program on the market"*

## Module 1. Infections of Urinary Tract, Genitals and Sexual Transmission

- 1.1. Cystitis.
  - 1.1.1. Symptoms.
  - 1.1.2. Etiology.
  - 1.1.3. Diagnosis.
  - 1.1.4. Differential Diagnosis.
  - 1.1.5. Treatment.
- 1.2. Asymptomatic Bacteriuria.
  - 1.2.1. Epidemiology.
  - 1.2.2. Pathophysiology.
  - 1.2.3. Assessment and Treatment.
- 1.3. UTI in Patients with Bladder Catheterization.
  - 1.3.1. Etiology.
  - 1.3.2. Clinical Manifestations
  - 1.3.3. Diagnosis.
  - 1.3.4. Prevention.
  - 1.3.5. Treatment.
- 1.4. Prostatitis
  - 1.4.1. Etiopathogenesis.
  - 1.4.2. Diagnosis.
  - 1.4.3. Clinical Presentation.
  - 1.4.4. Treatment.
  - 1.4.5. Complications.
  - 1.4.6. Chronic Nonbacterial or Chronic Idiopathic Prostatitis or Chronic Pelvic Pain Syndrome.





- 1.5. Pyelonephritis
  - 1.5.1. Etiology.
  - 1.5.2. Clinical Manifestations
  - 1.5.3. Complementary Tests.
  - 1.5.4. Treatment.
  - 1.5.5. Admission Criteria
- 1.6. Perinephritic Abscess.
  - 1.6.1. Pathophysiology.
  - 1.6.2. Clinical Presentation.
  - 1.6.3. Etiology.
  - 1.6.4. Diagnosis.
  - 1.6.5. Assessment and Treatment.
- 1.7. Infections which Cause Skin and Genital Mucosal Lesions.
  - 1.7.1. Bacterial Infections.
  - 1.7.2. Fungal Infections.
  - 1.7.3. Viral Infections.



*A unique, key, and decisive  
Training experience to boost your  
professional development"*

05

# Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: Re-learning.

This teaching system is used 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 Re-learning, 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

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you can 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 potential 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 professional medical 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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on 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.



## Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

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.



*The physician 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



#### Interactive Summaries

We present 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, international guides. in our virtual library you will have access to everything you need to complete your training.





**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 & Re-testing**

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



**Classes**

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence in our future difficult decisions.



**Quick Action Guides**

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06

# Certificate

The Postgraduate Certificate in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room guarantees, in addition to the most rigorous and up-to-date education, access to Postgraduate Certificate TECH - Technological University.



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*Successfully complete this training and receive your diploma without the hassle of travel or paperwork"*

This **Postgraduate Certificate in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room** contains the most complete and up-to-date scientific program on the market.

After the student has passed the evaluations, they will receive by mail with acknowledgement of receipt their corresponding Postgraduate Certificate issued TECH - Technological University.

The certificate issued by TECH - Technological University will express the qualification obtained in the course, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: Postgraduate Certificate in **Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room**

ECTS: 5

Official Number of Hours: 125



\*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.

health future  
confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
online training  
development language  
virtual classroom



## Postgraduate Certificate

Urinary Tract, Genital  
and Sexually Transmitted  
Infections in the  
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- » Modality: **online**
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# Postgraduate Certificate

Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Room

- Cell Test
- Sodium (Na)
- Stool Analysis
- Stool Analysis for Giardia
- Stool Antigen Test
- Stool Culture
- Syphilis