

# Postgraduate Certificate

Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department for Nursing

Stool Analysis  
 Stool Analysis for Giardia  
 Stool Antigen Test  
 Stool Culture  
 Syphilis



## Postgraduate Certificate

### Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department for Nursing

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

Website: [www.techtute.com/us/nursing/postgraduate-certificate/urinary-tract-genital-sexually-transmitted-infections-emergency-department-nursing](http://www.techtute.com/us/nursing/postgraduate-certificate/urinary-tract-genital-sexually-transmitted-infections-emergency-department-nursing)

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# 01

# Introduction

Infectious diseases can show remarkable resistance to known treatments. This means that healing is sometimes not as easy as it should be. Therefore, the presence of patients with these pathologies in Emergency Departments can be frequent. To increase the training of nurses in the care of patients with infectious diseases TECH has designed this program that focuses on diseases of the urinary tract, genitals and sexually transmitted infections.



A close-up photograph of a person's eye, showing the iris and the tearful surface of the cornea. The image is partially obscured by a dark green diagonal overlay on the right side of the page.

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*This high-level specialization will give you the keys to learn about the main developments in urinary, genital and sexually transmitted infectious diseases”*

Working in the Emergency Department can be more complex for nurses, because sometimes the patient already arrives at this unit with severe symptoms. Therefore, it is important that they do not miss every opportunity for specialization that is really interesting to improve their training.

In this case, TECH has designed a specific Postgraduate Certificate in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department, with a totally new and high-quality syllabus so that the students acquire, in a short period of time, the specific knowledge they need to develop in this field.

It should be noted that urinary tract infections are more frequent among women due to the female anatomy. In fact, it is estimated that half of all women may suffer a urinary tract infection in their lifetime. These pathologies are easily treated, but untreated infections can lead to more serious health problems.

Sexually Transmitted Infections can go unnoticed by patients, since some may not present physical symptoms, which makes their 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 department, it is usually because they already have severe symptoms.

One of the main advantages of this Postgraduate Certificate is that, as it is a 100% online training, the professionals will have the ability to decide when and from where to study, without commitments or obligations, thus being able to combine their study time with the rest of their daily obligations.

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

- ◆ The development of clinical 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
- ◆ Therapeutic developments on intervention in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department
- ◆ Practical exercises where self-assessment can be used to improve learning.
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ◆ Its 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"*

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*With this intensive program you will be able to explain the diagnosis and emergency treatment of UTI in patients with bladder catheterization"*

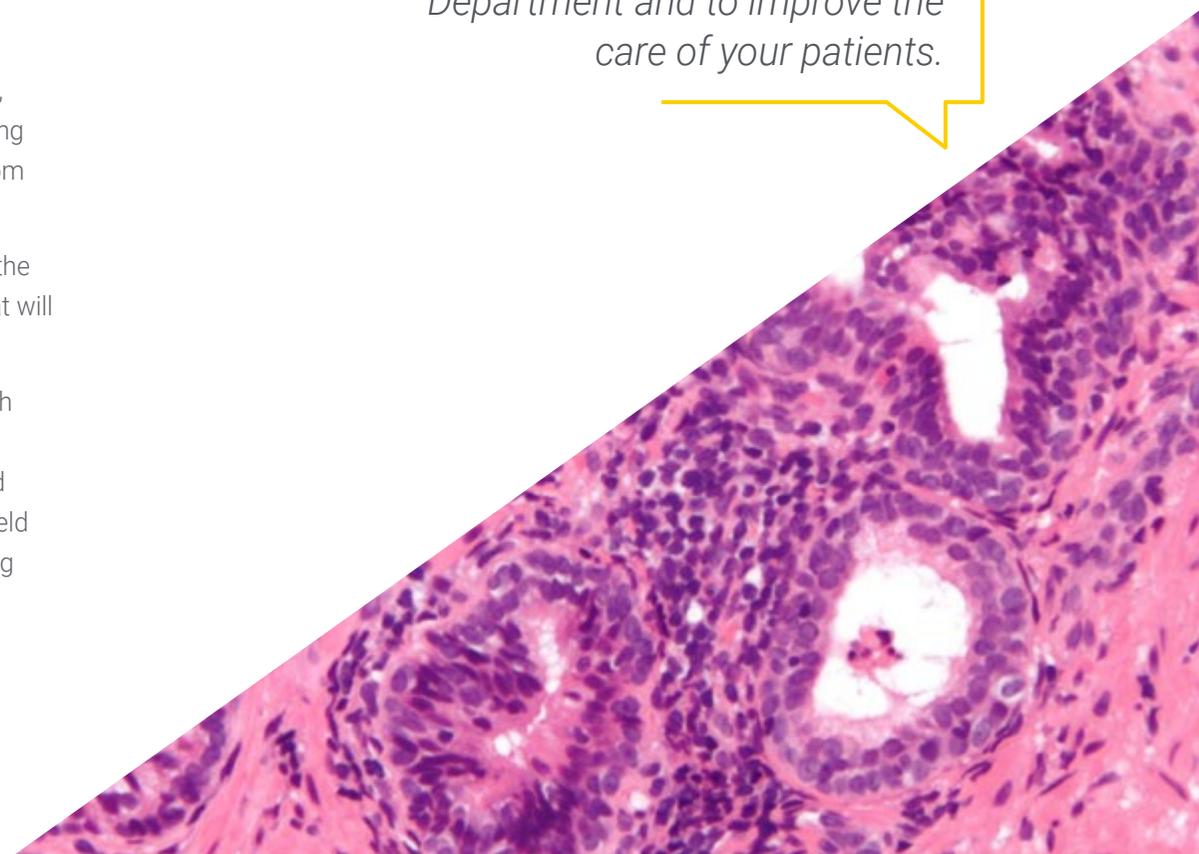
It includes, in its teaching staff, professionals belonging to the field of Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department, who bring to this training the experience of their work, in addition to recognized specialists from leading scientific societies.

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 study programmed to train in real situations.

The design of this program focuses on Problem Based Learning, by means of which the nurse must try to solve the different professional practice situations that arise throughout the academic course. 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 Postgraduate Certificate.*

*Take the opportunity to learn about the latest advances in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department and to improve the care of your patients.*



# 02 Objectives

The Postgraduate Certificate in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department for Nursing is aimed at facilitating the performance of nurses dedicated to the treatment of urgent infectious pathology in all areas, but especially in the Emergency Department.





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
- In-depth study of each of the areas in which professionals must specialize in order to practice with knowledge in the care of infectious pathologies





## Specific Objectives

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

03

# Course Management

The program includes in its teaching staff reference specialists in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department and other related areas, who bring the experience of their work to this training. 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 at the moment to offer you a high level of specialization"*

## Management



### Dr. García del Toro, Miguel

- ♦ PhD in Medicine from the University of Valencia
- ♦ Head of the Infectious Diseases Unit at the General University Hospital Consortium of 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 of 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
- ♦ Main Investigator of about twenty Clinical Trials and/or Research Projects



### Ms. 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



### **Ms. 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

04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best hospitals and universities, aware of the relevance of this specialization in order to intervene in the treatment and monitoring of Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department and committed to quality teaching through new educational technologies.



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*This Postgraduate Certificate contains the most complete and up-to-date scientific program on the market”*

## Module 1. Urinary Tract, Genital and Sexually Transmitted Infections

- 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. Aetiopathogenesis.
  - 1.4.2. Diagnosis
  - 1.4.3. Clinical Symptoms
  - 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 Symptoms
  - 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

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

# 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.





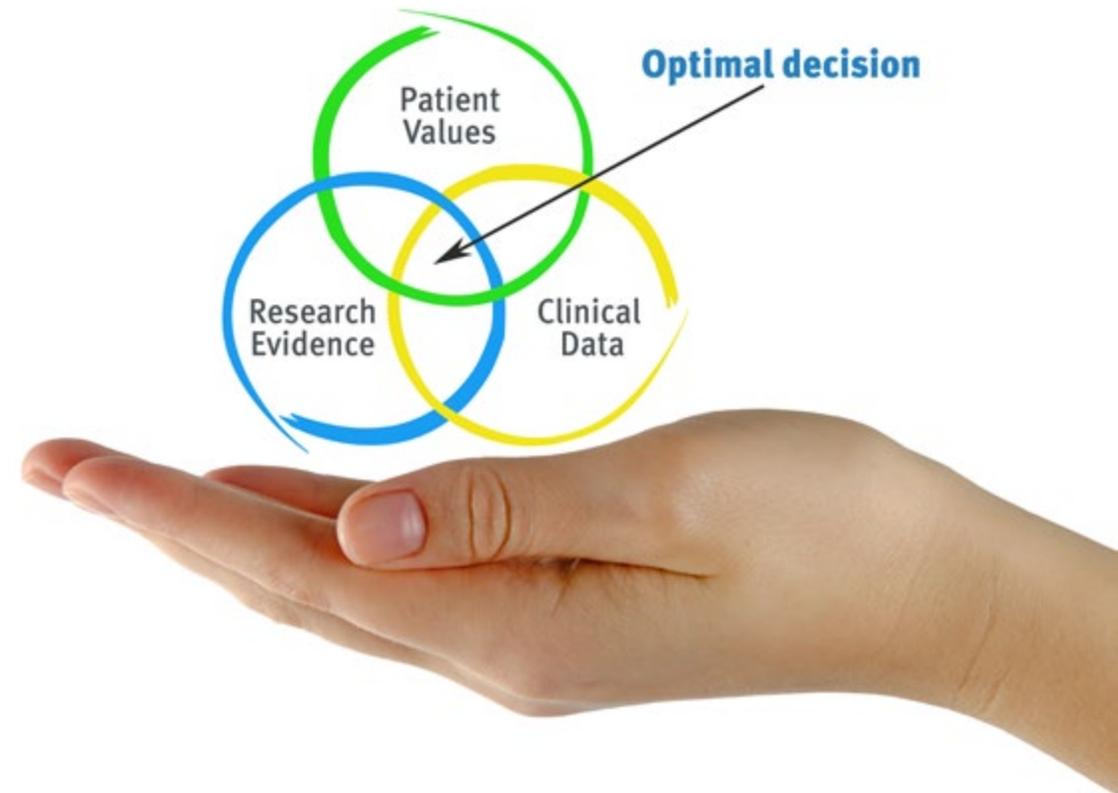
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH Nursing School we use the Case Method

In a given situation, what should a professional do? 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. Nurses learn better, faster, and more sustainably over time.

*With TECH, nurses can experience a learning methodology 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, in an attempt to recreate the real conditions in professional nursing 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. Nurses 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 nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
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 case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.



*The nurse 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 we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. 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 really 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.



### Nursing 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 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 them as many times as you want.



### Interactive Summaries

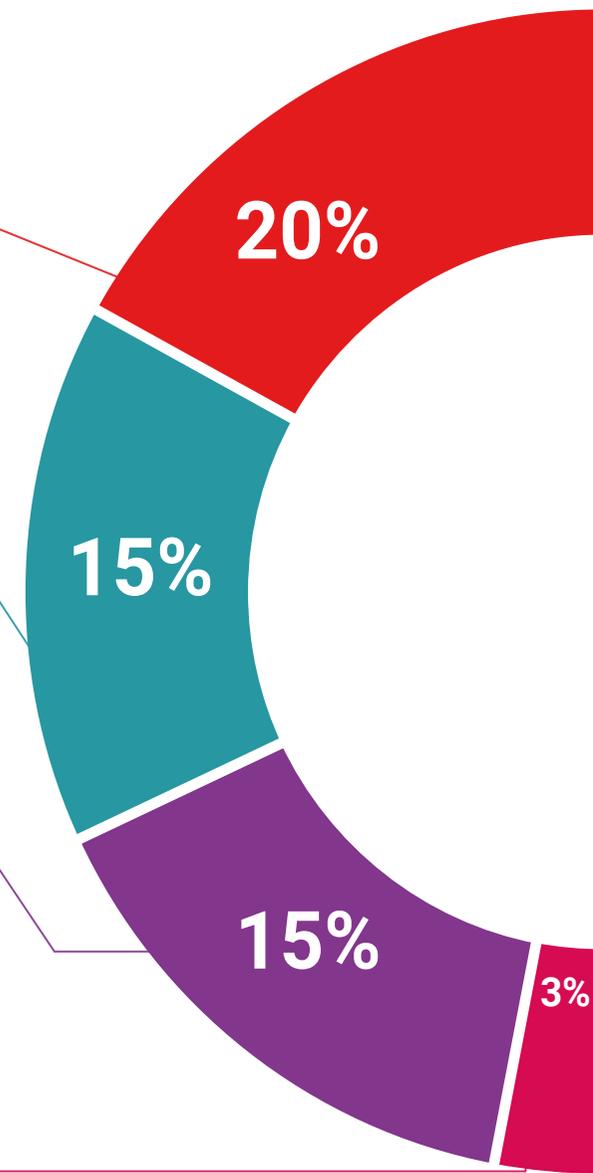
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

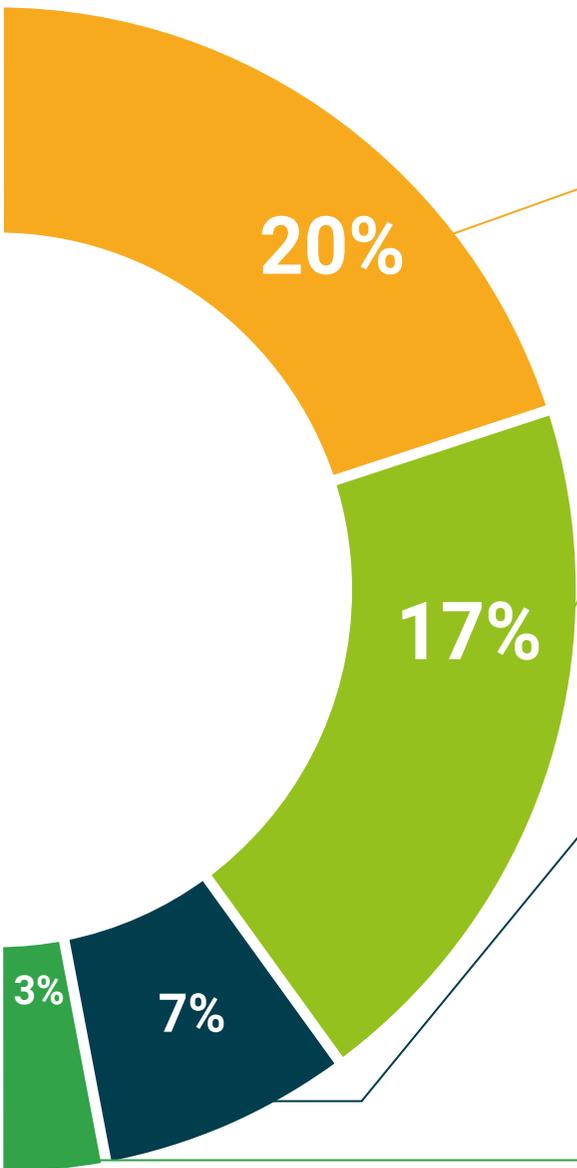
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### 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 suggesting that observing third-party experts can be useful.  
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 Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department for Nursing guarantees, in addition to the most rigorous and up-to-date training, access to a certificate issued by TECH Global University.



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

This program will allow you to obtain your **Postgraduate Certificate in Urinary Tract, Genital and Sexually Transmitted Infections in the Emergency Department for Nursing** 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.

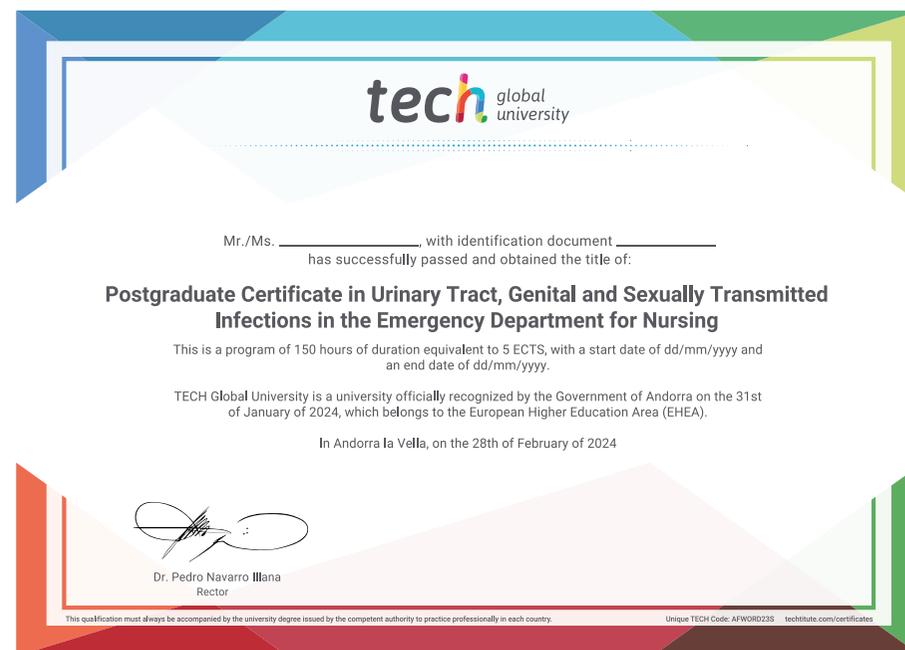
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

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

Modality: **online**

Duration: **6 weeks**

Accreditation: **5 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.



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