

Postgraduate Certificate

Lower Airway and Intra-abdominal
Infections in the Emergency
Department for Nursing



Postgraduate Certificate

Lower Airway and Intra-abdominal Infections in the Emergency Department for Nursing

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

Website: www.techtitute.com/us/nursing/postgraduate-certificate/lower-airway-intra-abdominal-infections-emergency-department-nursing



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01

Introduction

Nurses working in the Emergency Department are confronted every day with complex infection situations for which they must acquire extensive expertise and experience.

To enhance student training TECH offers this program on Lower Airway and Intra-abdominal Infections with the most up-to-date information on the market.



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This training will generate a sense of confidence in the performance of healthcare praxis, which will help you grow personally and professionally”

TECH has designed this comprehensive program on Lower Airway and Intra-abdominal Infections in the Emergency Department with the aim of training nursing professionals to perform their work with full guarantees of success. This program has the participation of a team of professionals specialized in the area who have combined all their knowledge to offer an up-to-date and quality training that meets the highest standards required at the educational level. In addition, it was designed with the student's specialization in mind at all times.

As in most specialties, in the case of infectious pathology, the performance of the clinician in the Emergency Department is sometimes complex and, on many occasions, decisive in the morbidity and mortality of patients. Therefore, upgrading nurses with higher quality training should be a mandatory issue in all hospital centers.

Based on this premise, it is essential to establish updating tools for health professionals who have to deal with Infectious Diseases outside specialized units and services. This Postgraduate Certificate will deal with the actions of health care professionals in the emergency department in relation to infectious diseases from the point of view of early diagnosis and treatment, often empirical, but it will also include an update on imported pathology, especially in those entities that require urgent action and/or present a potential transmission capacity in our environment. And, all of this, with a focus on lower airway and intra-abdominal infections.

On the other hand, being a 100% online training, the professional 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 Lower Airway and Intra-abdominal 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 Lower Airway and Intra-abdominal Infections in the Emergency Department.
- ◆ 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 Lower Airway and Intra-abdominal Infections in the Emergency Department.
- ◆ Practical exercises where to carry out the self-assessment process 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



Continued specialization in the field of nursing is essential in order not to lower the level of quality of patient care. Join our community of students and be the best in all situations"

“

This Postgraduate Certificate is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Lower Airway and Intra-abdominal Infections in the Emergency Department, you will obtain a certificate from the largest Digital University in the world: TECH”

It includes, in its teaching staff, professionals belonging to the field of nursing, who bring to this training the experience of their work, 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.

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 year. To do so, the professional will be assisted by an innovative interactive video system developed by recognized experts in the field of Lower Airway and Intra-abdominal Infections in the Emergency Department with extensive teaching experience.

Increase your decision-making confidence by updating your knowledge through this Postgraduate Certificate”

Make the most of this opportunity to learn about the latest advances in Lower Airway and Intra-abdominal Infections in the Emergency Department and improve the care of your patients”



02

Objectives

The Postgraduate Certificate in Lower Airway and Intra-abdominal Infections in the Emergency Department for Nursing is aimed at facilitating the performance of the healthcare professional dedicated to the treatment of urgent infectious pathology in all areas, but especially in the Emergency Department.



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We give you the opportunity to achieve
your educational goals by completing
this Postgraduate Certificate”



General Objectives

- Provide the necessary theoretical knowledge to be able to understand the environment in which the professional activity is developed to care for 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.

“

Take the opportunity and take the step to get up to date on the latest developments in Lower Airway and Intra-abdominal Infections in the Emergency Department for Nursing"





Specific Objectives

- ◆ Explain the diagnosis and treatment of acute bronchitis in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Acute Chronic Obstructive Pulmonary Disease (AECOPD) in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Community-acquired pneumonia (CAP) in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Healthcare-associated pneumonia (HAP) in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Empyema in the Emergency Department.
- ◆ Explain the diagnosis and treatment of a Pulmonary Abscess in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Pulmonary Tuberculosis in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Gastroenteritis in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Liver and Biliary Tract infections in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Cholecystitis and Cholangitis in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Liver Abscess in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Acute Hepatitis in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Pancreatitis in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Appendicitis in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Diverticulitis and Perirectal Abscess in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Typhlitis in the Emergency Department.
- ◆ Explain the diagnosis and treatment of Peritonitis in the Emergency Department.
- ◆ Explain the diagnosis and treatment of an Intraperitoneal Abscess in the Emergency Department.

03

Course Management

The program includes in its teaching staff reference specialists in Lower Airway and Intra-abdominal Infections in the Emergency Department and other related areas, who bring to 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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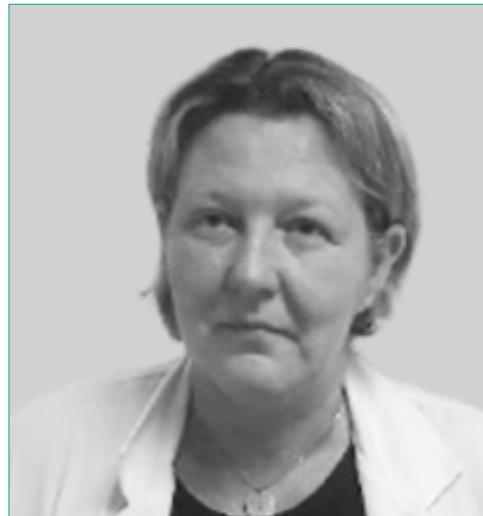
The best professionals on Infectious Diseases have designed this Postgraduate Certificate for you, so that you can excel at a professional level"

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 at national and international congresses in the specialty of Infectious Diseases, HIV and Viral Hepatitis.
- Main investigator of some 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 Lower Airway and Intra-abdominal Infections in the Emergency Department and committed to quality teaching through new educational technologies.

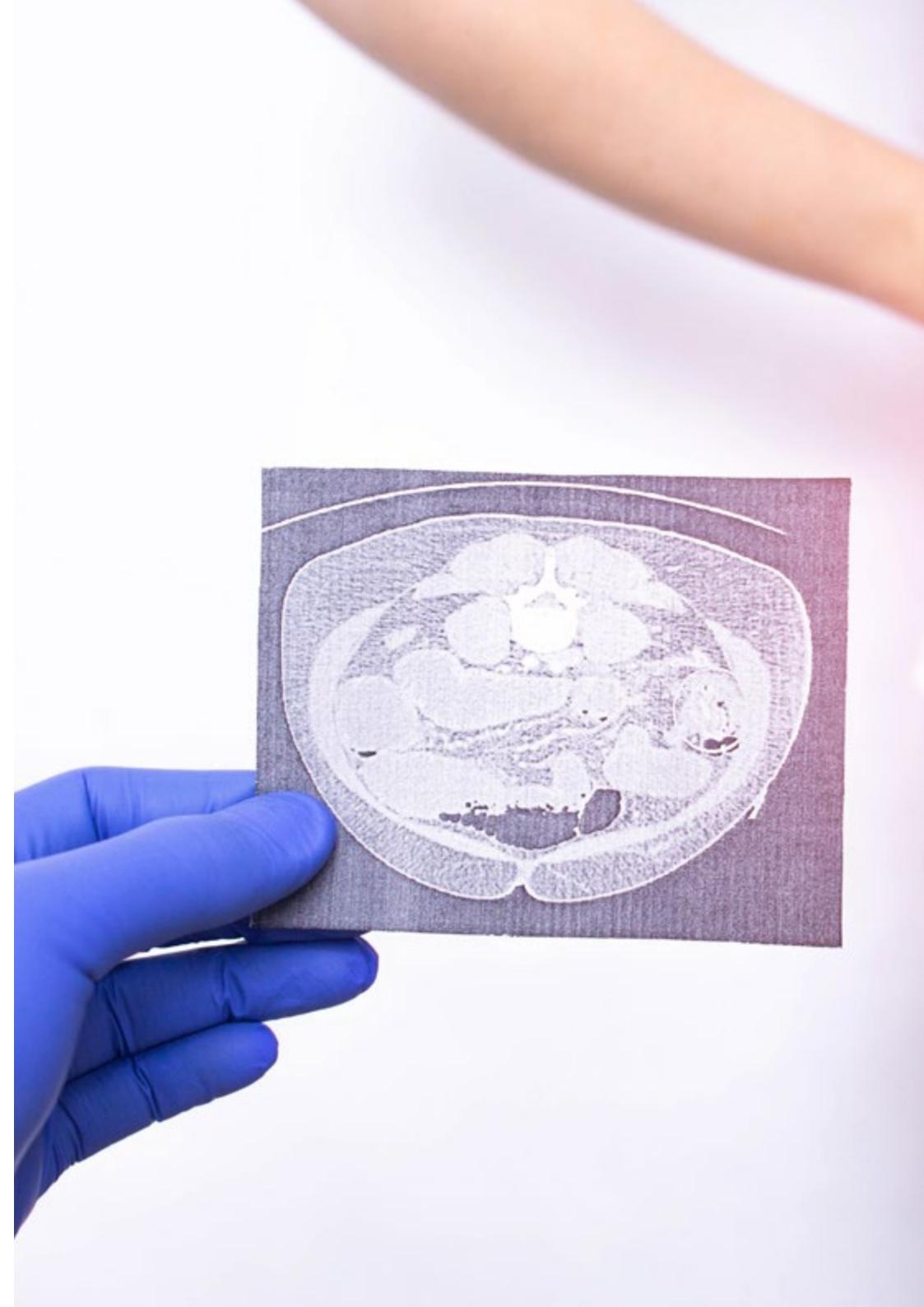


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*This Postgraduate Certificate contains the most complete
and up-to-date scientific program on the market"*

Module 1. Infections of Organs and Apparatus: Inferior Airway, Intra-abdominal

- 1.1. Acute Bronchitis
 - 1.1.1. Definition
 - 1.1.2. Clinical Manifestations
 - 1.1.3. Diagnosis
 - 1.1.4. Treatment
- 1.2. Acute Chronic Obstructive Pulmonary Disease (ACOPD)
 - 1.2.1. Definition
 - 1.2.2. Diagnosis
 - 1.2.3. Treatment
 - 1.2.4. Attitude to Clinical Failure
 - 1.2.5. Key Concepts
- 1.3. Community-Acquired Pneumonia (CAP)
 - 1.3.1. Concept
 - 1.3.2. Pathophysiology
 - 1.3.3. Epidemiology
 - 1.3.4. Etiology
 - 1.3.5. Clinical Manifestations
 - 1.3.6. Diagnostic Attitude
 - 1.3.7. Antibiotic Treatment
- 1.4. Healthcare-Associated Pneumonia (HAP)
 - 1.4.1. Concept
 - 1.4.2. Healthcare-Associated Pneumonia Versus Community-Acquired Pneumonia due to Resistant Pathogens (CAP-PR)
 - 1.4.3. Etiology
 - 1.4.4. Microbiological Diagnosis
 - 1.4.5. Empirical Treatment
 - 1.4.6. Prognosis



- 1.5. Pneumonic Pleural Effusion and Empyema
 - 1.5.1. Clinical Symptoms
 - 1.5.2. Staging
 - 1.5.3. Imaging Tests
 - 1.5.4. Laboratory Studies: Pleural Fluid Analysis
 - 1.5.5. Pathophysiology Staging
 - 1.5.6. Bacteriology
 - 1.5.7. Prognosis
 - 1.5.8. Treatment
- 1.6. Pulmonary Abscess
 - 1.6.1. Definition
 - 1.6.2. Etiology
 - 1.6.3. Pathophysiology
 - 1.6.4. Clinical manifestations
 - 1.6.5. Diagnosis
 - 1.6.6. Treatment
- 1.7. Pulmonary Tuberculosis
 - 1.7.1. Etiology
 - 1.7.2. Clinical Manifestations
 - 1.7.3. Diagnosis
 - 1.7.4. Treatment
- 1.8. Gastroenteritis
 - 1.8.1. Etiology
 - 1.8.2. Clinical Manifestations and Physical Examination
 - 1.8.3. Laboratory Data and Imaging Tests.
 - 1.8.4. Diagnosis
 - 1.8.5. Treatment

- 1.9. Liver and Biliary Tract Infections
 - 1.9.1. Bacterial Infections which Affect the Liver
 - 1.9.2. Viral Infections which Affect the Liver
 - 1.9.3. Parasitic Infections which Affect the Liver
 - 1.9.4. Fungal Infections which Affect the Liver
- 1.10. Cholecystitis and Cholangitis
 - 1.10.1. Acute Cholecystitis
 - 1.10.2. Acute Cholangitis
- 1.11. Liver Abscesses
 - 1.11.1. Concept and General Characteristics
 - 1.11.2. Classification and Etiopathogenesis
 - 1.11.3. Pyogenic Hepatic Abscesses
 - 1.11.4. Amoebic Liver Abscesses
- 1.12. Acute Hepatitis
 - 1.12.1. Definition
 - 1.12.2. Etiology
 - 1.12.3. Clinical Manifestations and Physical Examination
 - 1.12.4. Laboratory Data
 - 1.12.5. Diagnosis
 - 1.12.6. Severe Acute Hepatitis
 - 1.12.7. Severe Acute Liver Failure
 - 1.12.8. Treatment
- 1.13. Pancreatitis
 - 1.13.1. Etiology
 - 1.13.2. Diagnosis
 - 1.13.3. Classification
 - 1.13.4. Severity Prediction and Prognostic
 - 1.13.5. Treatment
 - 1.13.6. Infectious Complications
- 1.14. Appendicitis
 - 1.14.1. Epidemiology
 - 1.14.2. Aetiopathogenesis.
 - 1.14.3. Microbiology
 - 1.14.4. Diagnosis
 - 1.14.5. Differential Diagnosis
 - 1.14.6. Treatment
 - 1.14.7. Preoperative Antibiotic Prophylaxis
 - 1.14.8. Postoperative Antibiotic Treatment
 - 1.14.9. Post-Surgery Complications
- 1.15. Diverticulitis and Perirectal Abscess
 - 1.15.1. Definition of Diverticulitis
 - 1.15.2. Pathogenesis.
 - 1.15.3. Risk Factors
 - 1.15.4. Diverticulitis Diagnosis
 - 1.15.5. Diverticulitis Classification
 - 1.15.6. Treatment for Diverticulitis
 - 1.15.7. Perirectal Abscess
- 1.16. Typhlitis
 - 1.16.1. Epidemiology
 - 1.16.2. Etiology
 - 1.16.3. Pathogenesis.
 - 1.16.4. Clinical manifestations
 - 1.16.5. Diagnosis
 - 1.16.6. Differential Diagnosis
 - 1.16.7. Treatment
- 1.17. Peritonitis
 - 1.17.1. Classification
 - 1.17.2. Pathogenesis.
 - 1.17.3. Diagnosis
 - 1.17.4. Assess the Severity of the Infection
 - 1.17.5. Treatment

- 1.18. Spontaneous Bacterial Peritonitis
 - 1.18.1. Concept
 - 1.18.2. Epidemiology
 - 1.18.3. Pathogenesis.
 - 1.18.4. Clinical Manifestations
 - 1.18.5. Diagnosis
 - 1.18.6. Prognosis
 - 1.18.7. Treatment
 - 1.18.8. Prophylaxis
- 1.19. Secondary Peritonitis
 - 1.19.1. Definition and Classification
 - 1.19.2. Microbiology
 - 1.19.3. Evaluation of Severity
 - 1.19.4. General Principles for the Management
- 1.20. Intraperitoneal Abscess
 - 1.20.1. Definition
 - 1.20.2. Epidemiology
 - 1.20.3. Etiology and Pathophysiology
 - 1.20.4. Diagnosis
 - 1.20.5. Treatment

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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. Gérvás, 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

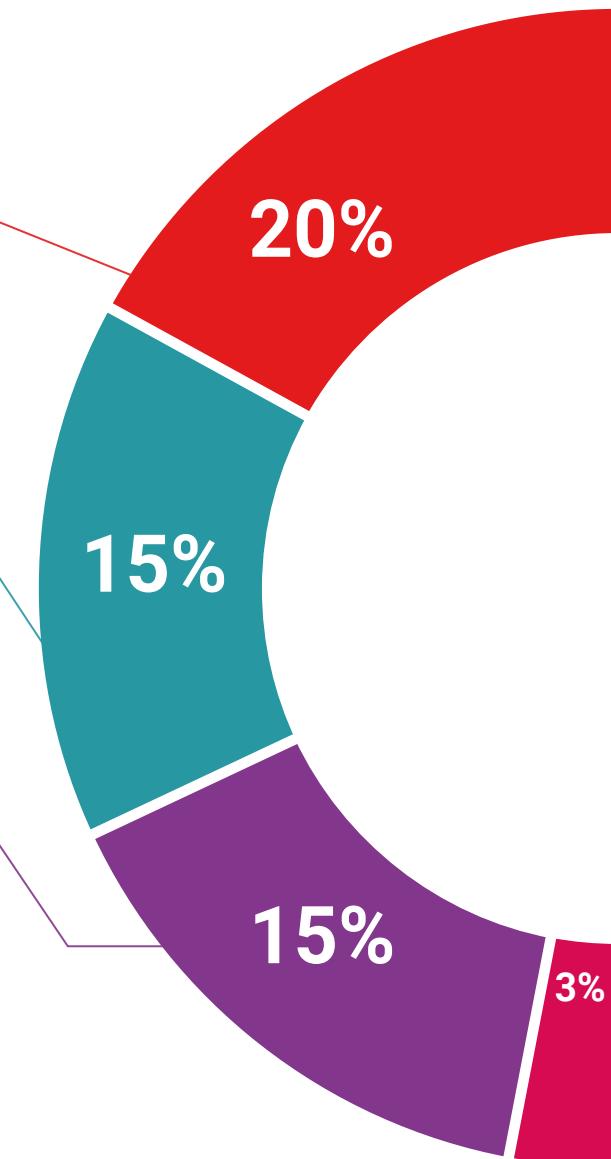
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

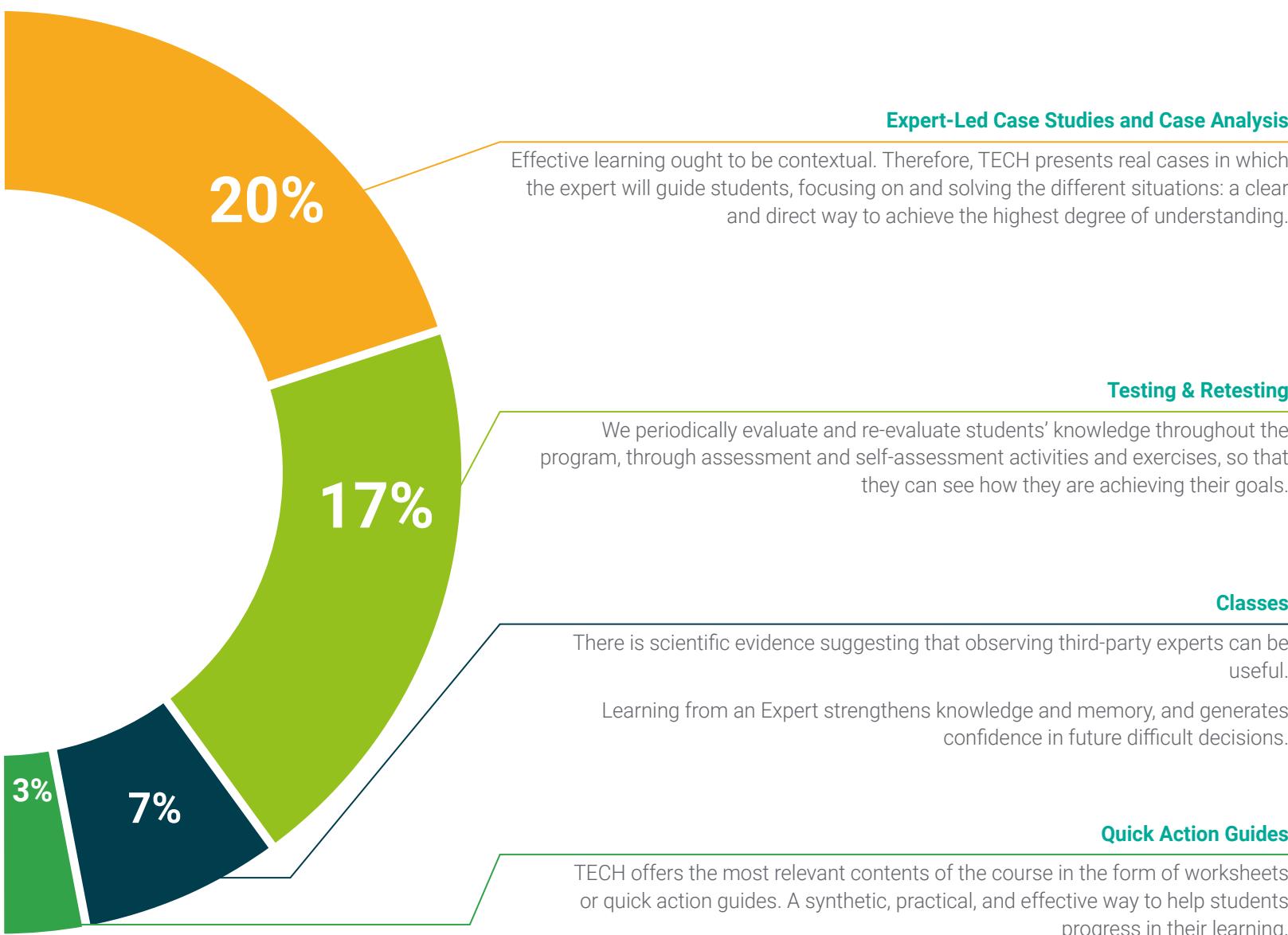
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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.





06

Certificate

The Postgraduate Certificate in Lower Airway and Intra-abdominal 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 specialisation and receive your university degree without travel or laborious paperwork"

This program will allow you to obtain your **Postgraduate Certificate in Lower Airway and Intra-abdominal 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 Lower Airway and Intra-abdominal Infections in the Emergency Department for Nursing

Modality: [online](#)

Duration: **6 weeks**

Accreditation: **6 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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