

# Postgraduate Certificate

## Patient Safety in Hematology Nursing



## Postgraduate Certificate Patient Safety in Hematology Nursing

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

Website: [www.techtitude.com/us/nursing/postgraduate-certificate/patient-safety-hematology-nursing](http://www.techtitude.com/us/nursing/postgraduate-certificate/patient-safety-hematology-nursing)

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01

# Introduction to the Program

Patient Safety in Hematology Nursing is essential to guarantee quality care and minimize risks associated with complex treatments. In fact, the implementation of rigorous hygiene practices, such as frequent hand washing and the proper use of masks, has been essential to prevent infections in immunocompromised patients. In addition, health education plays a crucial role; informing patients about preventive measures and encouraging their participation in self-care has contributed significantly to their safety. In this context, TECH has created a completely online program, designed to provide the flexibility necessary to adjust to the professional and personal responsibilities of the graduates, using the revolutionary methodology Relearning, which is one of the main features of this institution.





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*With this 100% online University Course, you will strengthen your technical skills in risk prevention and incident management, updating yourself on innovative protocols and strategies, such as the control of (ARIs)”*

The correct identification of the hematology patient and effective communication between the healthcare team and family members are essential practices for preventing errors and guaranteeing safe care. In turn, the implementation of preoperative and pre-anesthetic checklists, as recommended in various good practice guidelines, helps to prevent adverse events during procedures.

This is how this Postgraduate Certificate came about, thanks to which nurses will be able to identify and apply the basic principles of patient safety in the hematological context, using precise and uniform terminology. This will facilitate coordination in the care of patients with complex conditions, ensuring that all professionals involved in the care are aligned in terms of best safety practices.

Likewise, it will investigate how a lack of safety in care can have serious consequences for both patients and healthcare professionals. It will also look in depth at the main transformations that have taken place in healthcare practice, such as the use of new technologies, up-to-date safety protocols and a more integrated approach to patient care.

Finally, the economic scope of the consequences of patient safety will be addressed, highlighting the costs associated with errors and preventable complications, such as Healthcare-Associated Infections (HAIs). In this sense, specific strategies will be developed for the prevention and control of HAIs, which are particularly relevant in hematology patients, who may have a compromised immune system.

In this way, TECH has designed an academic program of excellence, 100% online, which will allow graduates to access all the teaching resources through an electronic device with an Internet connection. This will eliminate barriers such as the need to attend on-site centers or restrictions on fixed schedules. In addition, it will incorporate the innovative Relearning methodology, which focuses on the strategic repetition of key concepts to guarantee effective and dynamic learning.

This **Postgraduate Certificate in Patient Safety in Hematology Nursing** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of case studies presented by experts with a deep knowledge of detection and intervention techniques in Hematology Nursing, which facilitate the work of nurses in clinics, hospitals and other healthcare centers
- ♦ 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 assignments
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*You will master the incident reporting tool as a key system for identifying recurring problems in care and learning from mistakes, promoting a culture of continuous improvement in patient safety”*

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*You will handle the key terms related to safety in healthcare practice, which will facilitate effective communication between multidisciplinary teams and ensure consistent and error-free care”*

*You will use incident reporting tools, which are implemented as a system to identify and report the most frequent errors, thanks to an extensive library of innovative multimedia resources.*

*You will assess the economic impact of patient safety errors, understanding how the lack of preventive measures can generate high costs for both healthcare institutions and patients.*

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.

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 prepare for 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 course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.





02

# Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it relies on an enormous faculty of more than 6,000 professors of the highest international renown.





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*Study at the world's largest online university  
and guarantee your professional success.  
The future starts at TECH”*

### The world's best online university, according to FORBES

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

### The best top international faculty

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

### The world's largest online university

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



### The most complete syllabuses on the university scene

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

### A unique learning method

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

#### The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

#### Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



#### Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



#### The top-rated university by its students

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.



# 03 Syllabus

The syllabus has been designed to address the key aspects of safety in healthcare, with a specific focus on hematological patients. This will enable nurses to standardize concepts and use a common language in patient safety, analyzing the main transformations in healthcare practice, and the economic and health impact of errors in this area. Likewise, practical content will be included on strategies for the prevention and control of Healthcare Associated Infections (HAIs), as well as the use of incident reporting tools to identify and prevent risks.



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*You will place emphasis on the use of strict hygiene protocols and the proper handling of equipment and facilities, all to guarantee the safety of the hematology patient. With all the TECH quality guarantees!”*

## Module 1. Patient Safety in Hematology Nursing

- 1.1. Context and Components of Patient Safety in Hematology
  - 1.1.1. Context of Patient Safety
  - 1.1.2. "To Err is Human" Report
  - 1.1.3. Taxonomy of Patient Safety
  - 1.1.4. Concern for Patient Safety at the International Level
  - 1.1.5. Nine Solutions for Patient Safety According to the WHO
  - 1.1.6. Challenges and Improvement of Patient Safety
- 1.2. Prevention and Notification of Incidents: Adverse Events. Second Victims
  - 1.2.1. Incident Reporting Systems. Structure
  - 1.2.2. Medical Error: Crisis Management
  - 1.2.3. Patient Information
  - 1.2.4. Second Victims
- 1.3. Safe Clinical Practice. Non-Safety Costs in the Hematology Department
  - 1.3.1. Internationally Recommended Safe Clinical Practices
  - 1.3.2. Costs of Non-Patient Safety
  - 1.3.3. The Culture of Patient Safety
- 1.4. Patient Safety in the Hematology Department. Importance of the Nurse
  - 1.4.1. Nursing Staff as a Key Element in Patient Safety
  - 1.4.2. Adverse Events in Nursing Practice
  - 1.4.3. Burnout Syndrome as a Cause of Adverse Events
  - 1.4.4. Safety in Hospital Services
- 1.5. Prevention of Healthcare-Associated Infection in the Hematology Department
  - 1.5.1. Healthcare-Associated Infections (HAIs)
  - 1.5.2. Transmission Mechanisms of HAIs
  - 1.5.3. Environmental Biosafety
  - 1.5.4. Endemic and Epidemic Infections
- 1.6. Hand Hygiene in the Hematology Department
  - 1.6.1. Healthy Skin. Microorganisms: Skin Flora
  - 1.6.2. The WHO's 5 Moments
  - 1.6.3. Hygienic Washing vs. Washing by Friction
  - 1.6.4. General Recommendations: Skin Care
  - 1.6.5. Hand Hygiene Technique
  - 1.6.6. Correct Use of Gloves







- 1.7. Antimicrobial Resistance in the Hematology Department
  - 1.7.1. Safe Use of Medications
  - 1.7.2. Antimicrobials and Classification
  - 1.7.3. Antimicrobial Resistance
  - 1.7.4. Antimicrobial Resistant Microorganisms
  - 1.7.5. Antimicrobial Resistance. Control Strategies
- 1.8. Nursing Safety Rounds in the Hematology Department
  - 1.8.1. Objectives of Patient Safety Rounds
  - 1.8.2. Implementation of Patient Safety Rounds in the Hematology Department
  - 1.8.3. Methodology: Scheduling, Preparation for the visit and Completion. *Feedback*
  - 1.8.4. Checklist in the Rounds
- 1.9. Informed Consent in the Context of Data Protection
  - 1.9.1. Components of Informed Consent. Revocation
  - 1.9.2. The Nurse's Role in Informed Consent
  - 1.9.3. Special Situations in Informed Consent
- 1.10. Therapeutic Effort Limitation
  - 1.10.1. Reasons for Limiting Therapeutic Effort. Difficulties and Decision Making
  - 1.10.2. Therapeutic Effort Limitation: Professionals and Patients
  - 1.10.3. Ethical Framework



*This Postgraduate Certificate has been designed to standardize and unify the language used in healthcare, ensuring that nurses understand and apply the same concepts regarding patient safety"*

04

# Teaching Objectives

This academic qualification will seek to standardize the language and key concepts in patient safety, promoting effective communication within the healthcare team. In addition, professionals will address the impact of healthcare liability, evaluate transformations in healthcare practice and analyze the economic consequences of safety errors. Nurses will also be provided with tools and strategies for the prevention and control of Healthcare Associated Infections (HAIs), using incident reporting systems to identify frequent problems, learn from mistakes and establish preventive measures.



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*Thanks to this innovative Postgraduate Certificate, you will be able to stay alert to possible risks, helping to create a safer environment for hematology patients”  
What are you waiting for to enroll?”*





### General Objectives

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- ♦ Examine international strategies to promote patient safety
- ♦ Determine the elements of risk management and patient safety promotion



*You will analyze the real impact of healthcare responsibility, focusing on the repercussions that a lack of patient safety can have, through the best teaching materials, at the technological and educational cutting edge”*





## Specific Objectives

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- ♦ Standardize concepts and use the same language in patient safety
- ♦ Analyze the real impact of healthcare liability
- ♦ Examine the main transformations that have taken place in healthcare practice
- ♦ Analyze the economic scope of the consequences of patient safety issues
- ♦ Define strategies for the prevention and control of healthcare-associated infections
- ♦ Establish the incident reporting tool as a system designed to identify the most frequent problems and learn from mistakes

# 05 Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.





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*TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”*

## The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes  
(which you might not be able to attend)”*



### The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

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*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”*



## Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



## Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

*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.*



## A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



*The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule"*

### 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.



### The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

*Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.*

*You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.*



As such, the best educational materials, thoroughly prepared, will be available in this program:



#### 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.



#### Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



#### Interactive Summaries

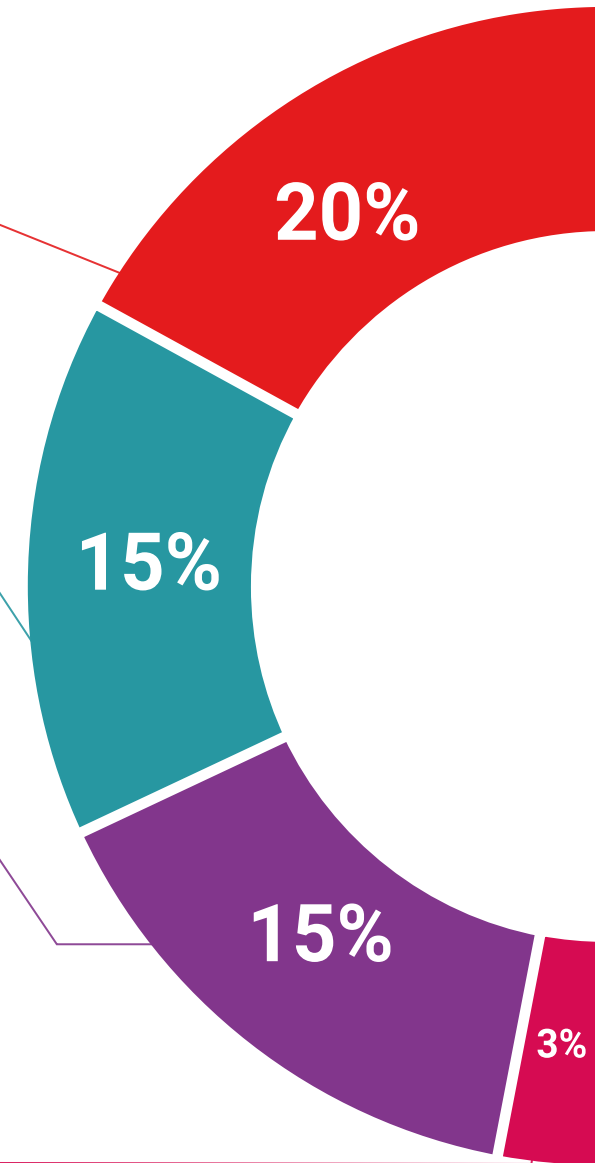
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

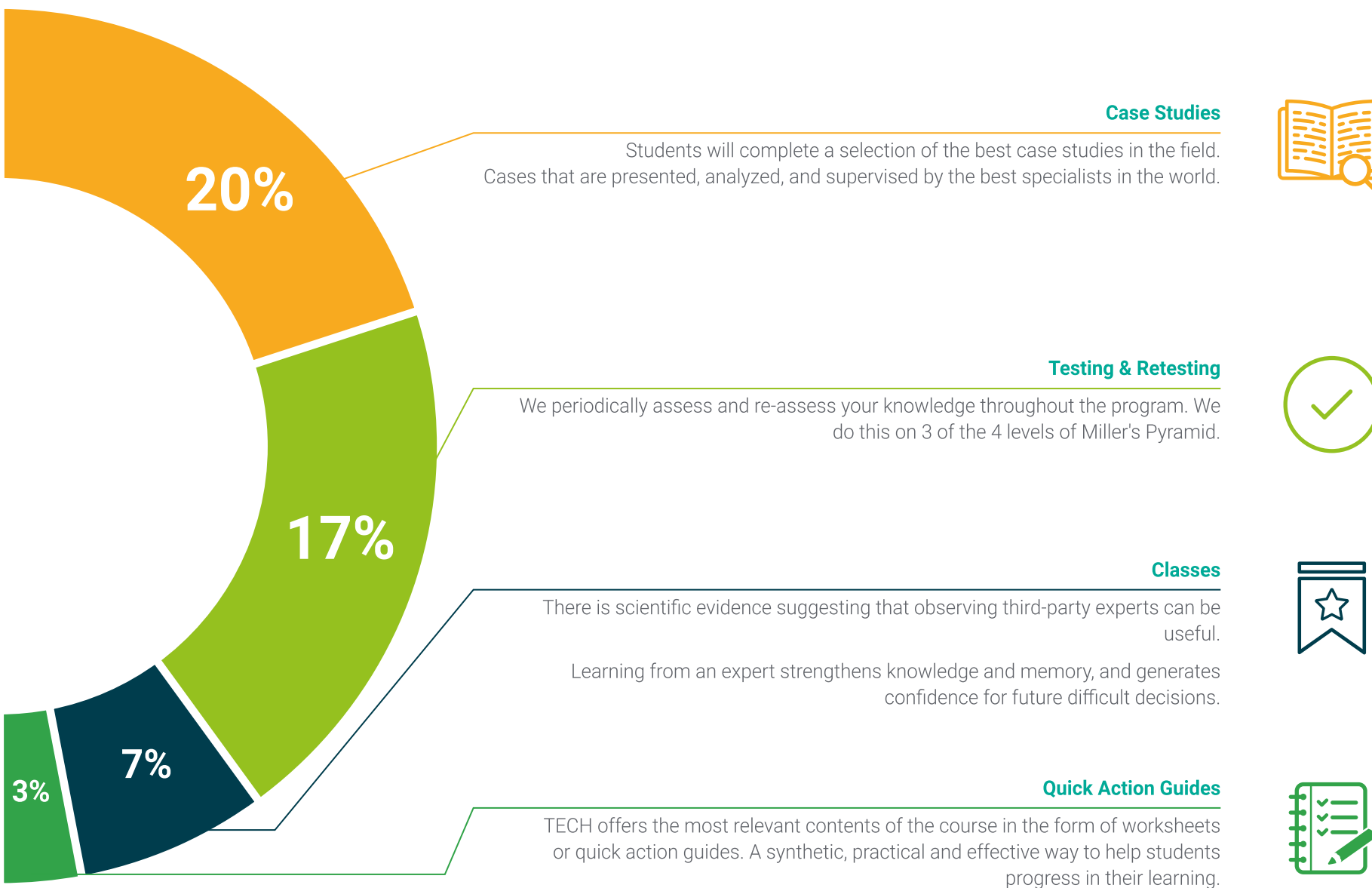
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





06

# Teaching Staff

The Postgraduate Certificate has a highly qualified teaching team, made up of experts in Nursing, patient safety and Clinical Hematology. In fact, they combine solid academic knowledge with extensive practical experience in healthcare environments, offering a comprehensive and up-to-date approach to the challenges of safety in the hematological field. They are also committed to excellence, using innovative methodologies such as real-case analysis and practical problem-solving to foster a dynamic and applied educational experience.



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*The faculty's ability to transmit advanced knowledge and provide personalized guidance will ensure that you develop the skills to implement effective safety strategies in your workplace”*



## Management



### Ms. Moreno Rivera, Nerea

- Director of Nursing at the Ruber Juan Bravo University Hospital
- Director of Nursing at the HLA Inmaculada University Hospital
- Head of Quality and Environment at the HLA Inmaculada University Hospital
- Head of Environment at the HLA Moncloa University Hospital
- Pharmacy Supervisor at the HLA Moncloa University Hospital
- ICU Supervisor at the HLA Moncloa University Hospital
- QX Supervisor at the HLA Moncloa University Hospital
- Master's Degree in Digital Management and Innovation Nursing Care from the European University of Madrid
- Master's Degree in Out-of-Hospital Emergencies from FUDEN
- University Expert in Human Resources Management Nursing from the UNED
- University Expert in Forensic and Legal Nursing from the UNED
- Diploma in Nursing from the Pontifical University of Salamanca





## Professors

### Ms. Gimeno Esteban, Amparo

- ◆ Director of Quality, Safety and Patient Experience at Ruber Juan Bravo Hospital
- ◆ Patient Safety Nurse at Ruber Juan Bravo Hospital
- ◆ Operating Room, ICU and Resuscitation Nurse at Ruber Juan Bravo Hospital
- ◆ Inpatient Nurse in Oncology, Hematology and Pediatrics at Juan Ramón Jiménez Hospital
- ◆ Master's Degree in Patient Safety from the University of La Rioja
- ◆ Master's Degree in Nursing Management from the Camilo José Cela University
- ◆ Master's Degree in Human Resources Management from the EFEM Gates Group
- ◆ University Diploma in Nursing from the University of Huelva

### Ms. Rodríguez Izquierdo, Vanessa

- ◆ Inpatient Nurse at Ruber Juan Bravo Hospital
- ◆ Nurse at FREMAP
- ◆ Medical Examination Nurse at Clinisas
- ◆ Nurse at the Moncloa Clinic
- ◆ Nurse in the Medical Service at the UNED
- ◆ Nurse in the Medical Service at El Corte Inglés
- ◆ University Expert in Nursing Prescription
- ◆ University Course in the Basics of Emergency Nursing
- ◆ University Course in Clinical Care of Chronic Wounds
- ◆ Diploma in Nursing from the Complutense University of Madrid

# 07 Certificate

The Postgraduate Certificate in Patient Safety in Hematology Nursing 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 private qualification will allow you to obtain a **Postgraduate Certificate in Patient Safety in Hematology 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.

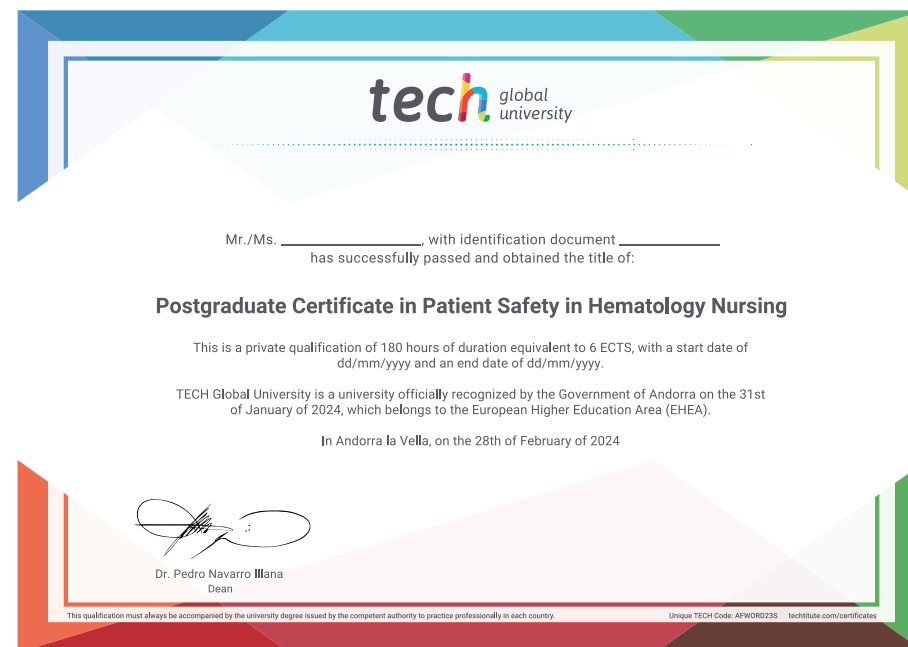
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Patient Safety in Hematology Nursing**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



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