

# Postgraduate Certificate

## Research and Clinical Trials in Hematology Nursing





## Postgraduate Certificate Research and Clinical Trials in Hematology Nursing

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

Website: [www.techtute.com/us/nursing/postgraduate-certificate/research-clinical-trials-hematology-nursing](http://www.techtute.com/us/nursing/postgraduate-certificate/research-clinical-trials-hematology-nursing)

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01

# Introduction to the Program

Research and Clinical Trials in Hematology Nursing play an essential role in improving care for patients with hematologic disorders. This allows for the evaluation of the efficacy and safety of new treatments, as well as the optimization of care practices. For example, La Fe Hospital in Valencia participates in research on new treatments for children with leukemia, including trials such as Interfant21, Alltogether and CHIP AML 2022, which seek to improve the precision and efficacy of treatments. Within this framework, TECH has developed a 100% online program, designed to offer the necessary flexibility that allows graduates to balance their professional and personal responsibilities, using the innovative Relearning methodology, which stands out as one of the main qualities that distinguishes this institution.



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*With this 100% online Postgraduate Certificate, you will acquire skills in the design, execution and control of clinical trials, as well as in the monitoring of innovative treatments in Hematology”*

For nursing professionals, participating in clinical trials gives them the opportunity to contribute to scientific progress and improve care practices. In turn, collaboration in research allows them to acquire up-to-date knowledge, apply new interventions and offer more personalized and effective care to patients with hematologic diseases.

This is how this Postgraduate Certificate was developed, thanks to which nurses will be able to manage all aspects of a clinical trial, from initial planning to the implementation of protocols, ensuring that the trials are carried out efficiently and in accordance with best practices. This comprehensive approach will not only improve professional skills, but will also facilitate the application of new treatments and therapies in the field of Hematology.

Likewise, experts will be able to carry out detailed monitoring of patients, ensuring that treatments are administered correctly and that results are documented accurately. This will be essential to guarantee that the trials are kept within the established parameters and that any problems that may arise during the process can be identified early.

Finally, we will address how international regulations influence the process of development, approval and commercialization of new treatments and therapies in Hematology. Students will delve into the regulations and guidelines that govern clinical research, understanding their impact on the introduction of medical innovations.

In this way, TECH has created a high-quality, fully online academic program that will offer graduates access to all teaching content from any electronic device with an Internet connection. This will eliminate barriers such as the obligation to attend on-site classes or the limitations of fixed schedules. In addition, it will incorporate the revolutionary Relearning methodology, which focuses on the strategic repetition of fundamental concepts to ensure effective and dynamic learning.

This **Postgraduate Certificate in Research and Clinical Trials 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
- ♦ The availability of access to the contents from any fixed or portable device with an Internet connection



*You will develop research protocols adapted to hematologic disorders, such as leukemias, lymphomas and rare anemias, using the best teaching materials available on the academic scene”*

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*You will integrate research into healthcare practice, contributing to the improvement of treatments through research and clinical trials, and promoting more advanced, patient-centered healthcare”*

The program’s teaching staff includes professionals from the industry who contribute their work experience to this 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.

*The Postgraduate Certificate in Research and Clinical Trials in Hematology Nursing has been designed to enable you to design, execute and coordinate clinical trials in the field of Hematology.*

*The ability to control clinical trials will be crucial to ensure that new treatments are effective and safe before they are approved. With all the TECH quality guarantees!*



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".

**Forbes**  
The best online university in the world

The most complete  
**syllabus**

**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.

**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.

**TOP**  
international faculty

The most effective methodology

**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 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.

**World's No.1**  
The World's largest online university

### 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.

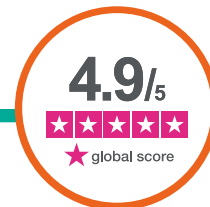
### Leaders in employability

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.



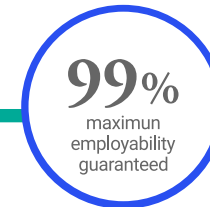
### Google Premier Partner

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 program will cover fundamental topics such as the design of clinical trials, the planning of research protocols and the execution of studies in Hematology, including Leukemias, Lymphomas and Rare Hematologic Disorders. In addition, the monitoring and control of trials, the management of adverse effects and data collection will be addressed, as well as an in-depth knowledge of international regulations that impact the development and commercialization of treatments. The integration of research into healthcare practice will also be encouraged, promoting the development of skills to apply the knowledge acquired in the work environment.






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*The syllabus of the Postgraduate Certificate has been structured to provide comprehensive and practical knowledge, adapted to the needs of nurses interested in specializing in this field”*

## Module 1. Research and Clinical Trials in Hematology Nursing

- 1.1. Phases in the Development of a Drug
  - 1.1.1. Discovery and Development
  - 1.1.2. Preclinical and Clinical Phase
  - 1.1.3. Registration, Launch and Monitoring
  - 1.1.4. Post-Launch Actions
- 1.2. Clinical Trials in Hematology
  - 1.2.1. Clinical Trials
  - 1.2.2. Multidisciplinary Team
  - 1.2.3. Responsibilities of the Research Team
- 1.3. Classification of Clinical Trials in Hematology
  - 1.3.1. Types of Clinical Trials in Hematology
  - 1.3.2. Phases of Clinical Trial (CT)
  - 1.3.3. Representation of the Current Situation
- 1.4. International Regulation of Clinical Trials
  - 1.4.1. Specific and Current International Legislation
  - 1.4.2. The Declaration of Helsinki and Standardized Procedures for Good Clinical Practice
  - 1.4.3. International Regulatory Framework
- 1.5. Clinical Trials Management in the Hematology Department
  - 1.5.1. Origin of a Clinical Trial
  - 1.5.2. Screening, Recruitment and Inclusion of Patients
  - 1.5.3. Contractual Relationship between the Subjects of the Trial
  - 1.5.4. Early Termination or Suspension of the Clinical Trial
- 1.6. Monitoring of Clinical Trials (CT) in Hematology
  - 1.6.1. Monitoring Objectives
  - 1.6.2. Deviations
  - 1.6.3. Pharmacovigilance in Clinical Trials
- 1.7. Follow-up of Patients in Clinical Trials in Hematology
  - 1.7.1. Data Collection and Management
  - 1.7.2. Data Protection and Confidentiality
  - 1.7.3. Strategies for Keeping Patients in Clinical Trials



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- 1.8. Observational Studies in Hematology
    - 1.8.1. Observational Studies in Hematology
    - 1.8.2. Current Status of Clinical Trials
    - 1.8.3. Clinical Trials vs. Observational Studies
  - 1.9. Financial Implications of Clinical Research
    - 1.9.1. Economic Impact of Clinical Trials (CT) on the Health System
    - 1.9.2. Economic Analysis of Clinical Trials: Costs and Benefits
    - 1.9.3. Funding of Clinical Trials
  - 1.10. Audits and Inspections: Pillars of Clinical Trial Integrity
    - 1.10.1. Clinical Research Ethics Committee
    - 1.10.2. Difference between Audit and Inspection
    - 1.10.3. Objectives of Inspections and Audits

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*You will address the phases of the clinical trial, from initial planning to data collection, focusing on randomized controlled trials and the correct interpretation of clinical results”*

04

# Teaching Objectives

The qualification will seek to ensure that graduates develop skills in the monitoring and control of clinical trials, guaranteeing patient safety and data quality. In addition, they will understand the impact of international regulations on the process of approval and commercialization of new treatments, enabling them to handle ethical and legal regulations effectively. Another key objective will be to encourage the integration of research into healthcare practice, promoting the continuous improvement of care and the promotion of research within the clinical environment.





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*The objectives will focus on providing nurses with the knowledge and skills necessary to design, execute and coordinate clinical trials in the field of Hematology”*



## General Objectives

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- ♦ Train professionals to perform the role of nursing in clinical trials, both at the research and care level
- ♦ Establish the basis for good clinical practice in the field of hematology clinical trials (CT)



*You will manage the logistics of the trials, ensuring that established protocols are followed and guaranteeing the safety of the patients involved, thanks to an extensive library of innovative multimedia resources”*





## Specific Objectives

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- ♦ Enable students to design, execute and coordinate clinical trials in Hematology
- ♦ Develop the skills necessary to monitor and control a clinical trial in Hematology
- ♦ Evaluate how international regulations affect the process, development, approval and commercialization of new treatments and therapies
- ♦ Promote the integration of research into healthcare practice

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.

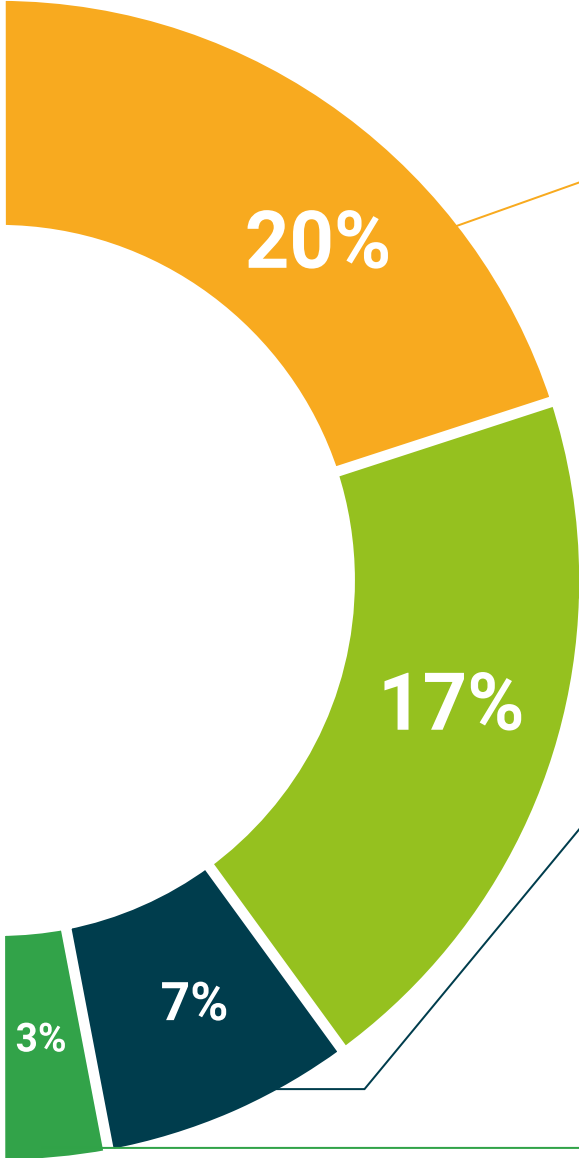
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



### Additional Reading

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





**Case Studies**

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



**Testing & Retesting**

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



**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 for 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

# Teaching Staff

The teaching staff is made up of a multidisciplinary team of highly qualified professionals with extensive experience in both the clinical and research fields. In fact, it includes nurses specialized in Hematology, clinical researchers and experts in the regulations and methodologies of clinical trials, who will provide a comprehensive and up-to-date view of the field. In addition, they are involved in pioneering research projects and cutting-edge clinical trials, which will allow them to share practical knowledge and real cases with graduates.



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*This approach will guarantee you quality education, focused on your needs and the latest advances in Hematology. All this through the revolutionary Relearning methodology!”*

## 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. Castillo Gallardo, Vanessa**

- ◆ Inpatient Supervisor at the Ruber Juan Bravo Hospital
- ◆ Nurse at the Quirónsalud Madrid University Hospital
- ◆ Nurse at the Nuestra Señora de América Hospital
- ◆ Nurse at the Gregorio Marañón General University Hospital
- ◆ Senior Technician in the Clinical Diagnostic Laboratory
- ◆ University Expert in Nursing Processes and Interventions for Adult Patients in Life-Threatening Situations from the Catholic University of Ávila
- ◆ Degree in Nursing from the "Salus Infirmorum" Faculty of Nursing and Physiotherapy

### **Ms. Bouza Nebrera, Irene**

- ◆ Inpatient Supervisor at the Ruber Juan Bravo Hospital
- ◆ Inpatient Care Nurse at the Hospital del Sureste
- ◆ Care Nurse at the Hospital Moncloa (ASISA)
- ◆ University Expert in Health Services Management from the CEU
- ◆ University Expert in Nursing Management from the CEU
- ◆ Diploma in Nursing from the Autonomous University of Madrid

07

# Certificate

The Postgraduate Certificate in Research and Clinical Trials 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 Research and Clinical Trials 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 Research and Clinical Trials in Hematology 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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## Research and Clinical Trials in Hematology Nursing