



Hematological Prevention,

Diagnosis and Treatment in Nursing

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Global University

» Accreditation: 6 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/nursing/postgraduate-certificate/hematological-prevention-diagnosis-treatment-nursing

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Hematology Nursing is fundamental in the care of patients with blood diseases, playing an integral role in the prevention, diagnosis and treatment of these diseases, as well as contributing to the improvement of the quality of life and survival of patients.

This is how this program came about, with the aim of training nurses in the comprehensive management of hematologic diseases, providing a solid foundation for identifying risk factors and applying effective preventive measures. In this sense, they will be able to recognize the predisposing factors of hematologic diseases, such as family history, lifestyle habits and pre-existing conditions, and to implement prevention strategies to reduce their incidence in the population.

Likewise, professionals will acquire skills to perform a detailed physical examination and apply diagnostic tests such as blood counts, coagulation tests and bone marrow biopsies, which are essential for the early and accurate diagnosis of diseases such as leukemia, anemia and coagulation disorders. It will also take an in-depth look at the conventional and advanced treatments available, including chemotherapy, immunotherapy and gene therapies, to provide personalized, evidence-based care.

Finally, it will address the difference between pediatric and adult hematology, providing the tools necessary for the proper management of patients in each age group. In addition, the importance of interdisciplinary collaboration will be emphasized, encouraging the integration of Nursing with other health professionals.

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

This Postgraduate Certificate in Hematological Prevention, Diagnosis and Treatment in 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 skills in education and support for patients and their families, helping them to better understand the disease and encouraging adherence to treatment. With all the TECH quality guarantees!"

Introduction to the Program | 07 tech



You will learn more about the importance of health education to improve awareness of these diseases and promote good health practices, thanks to an extensive library of multimedia resources"

The program's teaching staff includes professionals from the sector who contribute their work experience to this training 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.

You will promote safe and quality management, including measures to prevent infections and administer medication appropriately. Keep up to date with scientific advances that can improve clinical outcomes!

You will be able to interpret results and make informed decisions that optimize the treatment of hematology patients, through the best teaching materials, at the cutting edge of technology and education.







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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 syllabus





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

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.







99% maximun employability guaranteed



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.

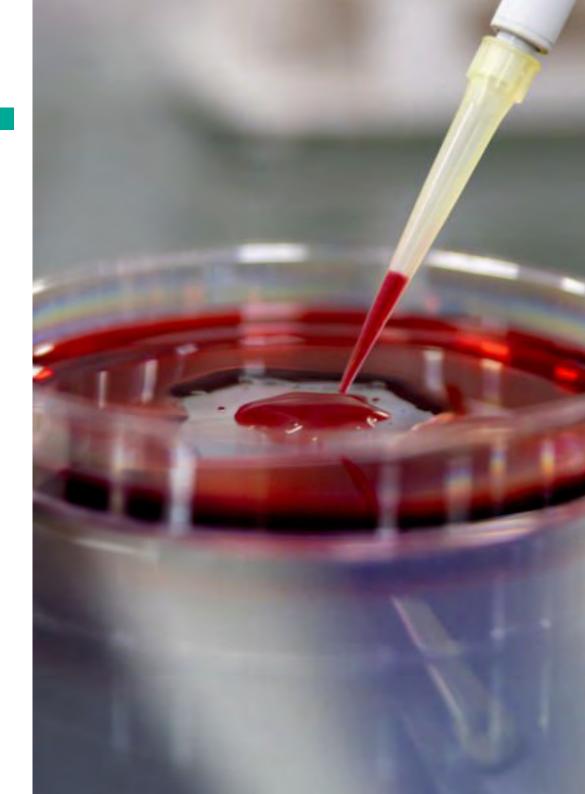




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Module 1. Hematological Prevention, Diagnosis and Treatment in Nursing

- 1.1. Prevention of Hematologic Diseases
 - 1.1.1. Environmental Factors
 - 1.1.2. Lifestyles: Stress Reduction. Diet
 - 1.1.3. Vaccines and Infection Prevention
 - 1.1.4. Periodic Medical Check-Ups. Early Symptom Detection
 - 1.1.5. Education and Awareness
 - 1.1.6. Genetic Counseling and Screening Tests
 - 1.1.7. Adequate Management of Chronic Diseases. Vulnerable Populations
- 1.2. Prevention of Hematologic Diseases
 - 1.2.1. Personal and Family History
 - 1.2.2. Reason for Consultation and Current Disease
 - 1.2.3. System Review
 - 1.2.4. Blood Transfusions and Medication
 - 1.2.5. Exposure to Risk Factors
 - 1.2.6. Physical Examination
- 1.3. Diagnostic Assessment: Medical Tests
 - 1.3.1. Laboratory Tests
 - 1.3.2. Bone Marrow Biopsy
 - 1.3.3. Bone Marrow Aspiration
 - 1.3.4. Genetic and Molecular Studies
 - 1.3.5. Imaging Tests
- 1.4. Interventions for Patients with Hematologic Disorders: Anemias
 - 1.4.1. Hereditary Anemias
 - 1.4.2. Acquired Anemias
 - 1.4.3. Hemolytic Anemias
- 1.5. Interventions for Patients with Hematologic Disorders: Leukaemias
 - 1.5.1. Acute Lymphoblastic Leukemia in Adults (ALL)
 - 1.5.2. Chronic Lymphocytic Leukemia (CLL)
 - 1.5.3. Acute Myeloid Leukemia (AML)
 - 1.5.4. Chronic Myeloid Leukemia (CML)
 - 1.5.5. Adult T-cell Leukemia (ATL)



- 1.6. Interventions for Hematology Patients: Coagulation Disorders
 - 1.6.1. Bleeding Disorders (Hypocoagulability)
 - 1.6.2. Thrombotic Disorders (Hypercoagulability)
 - 1.6.3. Mixed Coagulation Disorders
- 1.7. Management of Patients with Bleeding Disorders
 - 1.7.1. Assessment and Diagnosis
 - 1.7.2. Management of Hemorrhages
 - 1.7.3. Pharmacological Treatments
 - 1.7.4. Nursing Care in Bleeding Disorders
 - 1.7.5. Intervention in Special Situations
- 1.8. Hemotherapy. Allogeneic Hematopoietic Stem Cell Transplantation (Allo-HSCT)
 - 1.8.1. Hematopoietic Stem Cell Transplantation
 - 1.8.2. Donation and Collection Process
 - 1.8.3. Preparing the Patient for Transplantation
 - 1.8.4. Transplantation Procedure
 - 1.8.5. Complications and Post-Transplantation Management
 - 1.8.6. Nursing Care in Allogeneic Hematopoietic Stem Cell Transplantion
- 1.9. Therapies: Cytostatics, Radiotherapy, Immunotherapy
 - 1.9.1. Cytostatics
 - 1.9.1.1. Mechanisms of Action of Cytostatics
 - 1.9.1.2. Side Effects and Management of Cytostatics
 - 1.9.1.3. Cytostatic Administration Protocol
 - 1.9.1.4. Resistance to Cytostatics
 - 1.9.1.5. New Developments and Emerging Drugs

- 1.9.2. Radiotherapy
 - 1.9.2.1. Treatment Planning
 - 1.9.2.2. Side Effects of Radiotherapy
 - 1.9.2.3. Radiotherapy in Hematology
- 1.9.3. Immunotherapy
 - 1.9.3.1. Types of Immunotherapy
 - 1.9.3.2. Adverse Effects and Management
 - 1.9.3.3. Immunotherapy in Hematology
- 1.10. Pediatric Hematology
 - 1.10.1. Pediatric Hematology
 - 1.10.2. Hematologic Diseases in Pediatrics
 - 1.10.3. Diagnosis and Treatment of Hematologic Diseases
 - 1.10.4. Nursing Care in Pediatric Hematology



You will apply clinical assessment techniques and perform specific diagnostic tests for patients with suspected hematologic diseases with the help of the world's best online university, according to Forbes: TECH"





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General Objectives

- Determine the clinical management of hematology patients through the application of care plans that include the safe administration of drugs, blood products and adequate nutritional support
- Qualify nursing staff to detect and act on frequent complications and emergencies in hematology patients



You will delve into the particular characteristics of Pediatric Hematology, highlighting the key differences with Hematology in adults to guarantee adequate management in each age group"





Teaching Objectives | 19 tech



Specific Objectives

- Identify the risk factors and preventive measures for hematologic diseases in order to reduce their incidence in the population
- Apply clinical assessment techniques and specific diagnostic tests in patients with suspected hematologic diseases
- Analyze and compare the different treatments available for hematologic diseases, including conventional and advanced therapies
- Distinguish the characteristics of pediatric hematology, identifying the key differences with hematology in adults for an adequate management in each age group
- Resolve doubts and frequent clinical cases that arise in daily practice, improving evidence-based clinical decision making
- Develop skills in education and support for patients and their families, facilitating understanding of the disease and promoting adherence to treatment
- Strengthen the role of nursing in the prevention, diagnosis and treatment of hematologic diseases, highlighting specific interventions in different clinical settings
- Promote safe and quality practices in the management of hematology patients, including infection prevention measures and safe administration of medication
- Update knowledge on scientific and technological advances in hematology that can improve clinical outcomes and quality of care
- Foster interdisciplinary collaboration, integrating healthcare teams for a comprehensive approach to hematology patients



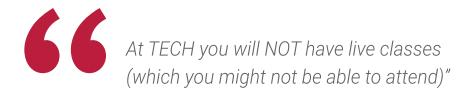


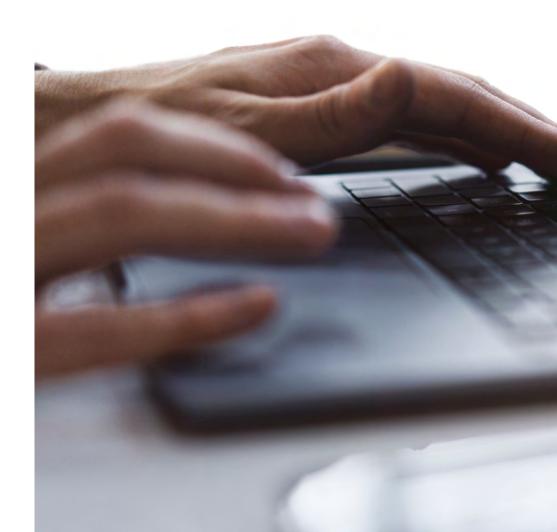
The student: the priority of all TECH programs

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.







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.



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"

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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.



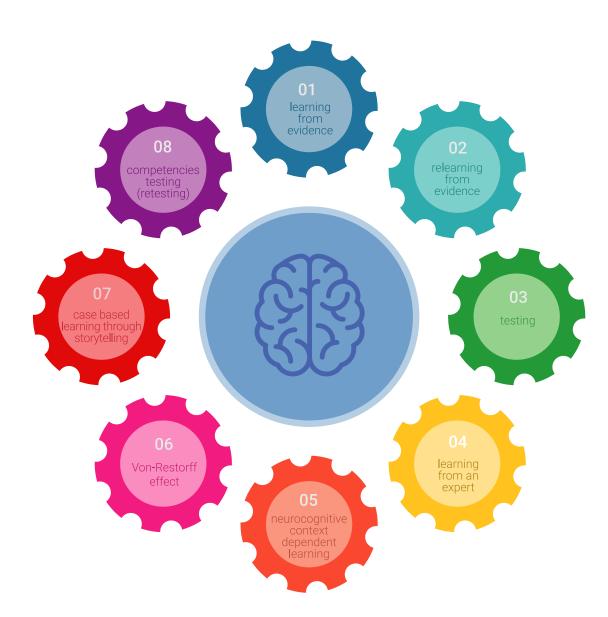
Relearning Methodology

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.



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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.

Study Methodology | 27 tech

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

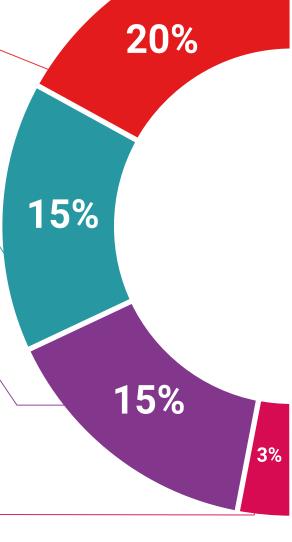
You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



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.



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



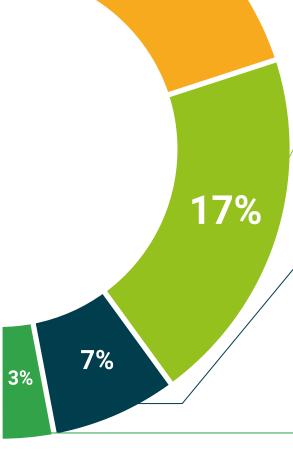
There is scientific evidence suggesting that observing third-party experts can be useful.

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.



06Teaching Staff

The teaching staff is made up of a team of highly qualified professionals with extensive experience in the field of Hematology and Nursing. In fact, it includes experts in the diagnosis and treatment of hematologic diseases, nurses with advanced training in this field, and professionals from other related areas, such as Oncology and Pediatrics. In this way, this multidisciplinary team will not only contribute solid academic expertise, but also vast practical experience, offering a high-quality, up-to-date syllabus on the latest scientific and therapeutic innovations.



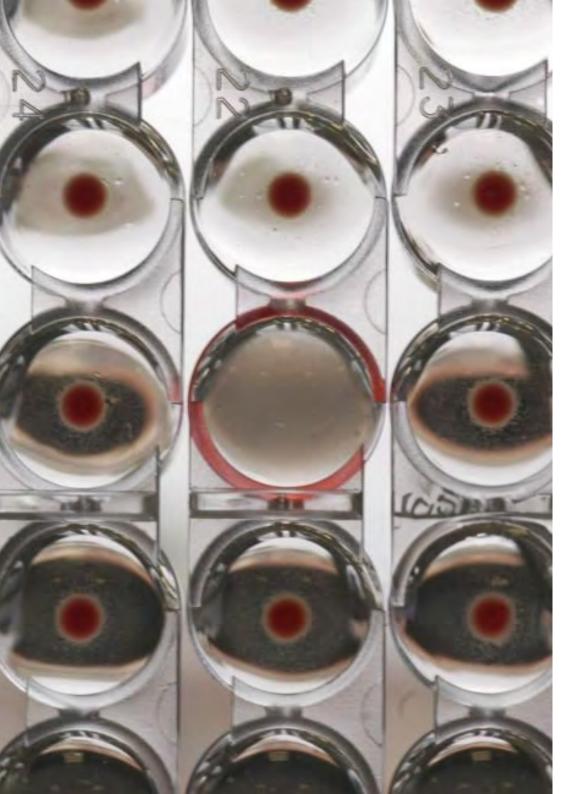
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Management



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. 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



All the lecturers on this program have extensive experience, offering you an innovative perspective on the main advances in this field of study"





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This private qualification will allow you to obtain a **Postgraduate Certificate in Hematological Prevention, Diagnosis and Treatment in 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 Hematological Prevention, Diagnosis and Treatment in 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.



Postgraduate Certificate

Hematological Prevention, Diagnosis and Treatment in Nursing

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

