



Pregnancy with Hematologic and Cardiac Pathology for Nursing

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Global University

» Accreditation: 6 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/nursing/postgraduate-certificate/pregnancy-hematologic-cardiac-pathology-nursing

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> 06 Certificate





tech 06 | Introduction

The care of pregnant women with hematologic and cardiac pathology represents a significant challenge for nursing professionals, as it requires comprehensive and specialized care. Therefore, it is essential to perform an exhaustive evaluation of the patient, considering both her gestational state and her pre-existing medical conditions.

For this reason, TECH has designed this Postgraduate Certificate, which will offer a wide range of contents, equipping nurses with the necessary knowledge to provide comprehensive and specialized care to pregnant women in these circumstances. Therefore, it will address the management of hematological pathologies that may arise during pregnancy, such as gestational anemia and thrombopenias.

Likewise, the program will comprehensively delve into perinatal hemolytic disease, a condition that until recently represented a significant threat to fetal and neonatal health, due to lack of adequate understanding. In this regard, through a detailed focus on this pathology, nurses will acquire the knowledge necessary to recognize the signs and symptoms, as well as to implement preventive and therapeutic interventions.

Finally, the main controversies surrounding cardiac pathologies in gestation will be addressed, as some of these conditions may represent contraindications for pregnancy. Through discussions and critical analysis, graduates will also analyze the complexities of these diseases, understanding the challenges they present in the context of pregnancy.

In this situation, TECH has devised a complete and 100% digital syllabus, allowing students to access educational materials using only an electronic device connected to the network. This proposal is based on Relearning, which encourages the repetition of essential ideas to improve the understanding of the contents. In addition, the program has a teaching team composed of experts in the field of Nursing and Obstetrics, including two international guest lecturers with outstanding experience in these areas, who will teach the program including two International Guest Directors with an outstanding trajectory in these areas, who will give unique and additional Masterclasses.

This Postgraduate Certificate in Pregnancy with Hematologic and Cardiac Pathology for 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 in Pregnancy with Hematologic and Cardiac Pathology for Nursing
- 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



This program will bring you closer to international experts, who will share their knowledge of Nursing and Obstetrics through a Masterclass that will deepen in the pathologies of the pregnant woman"



You will be able to maintain an open and effective communication with the interdisciplinary medical team, to coordinate a comprehensive care plan that optimizes outcomes for high-risk pregnant 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 learn in real situations.

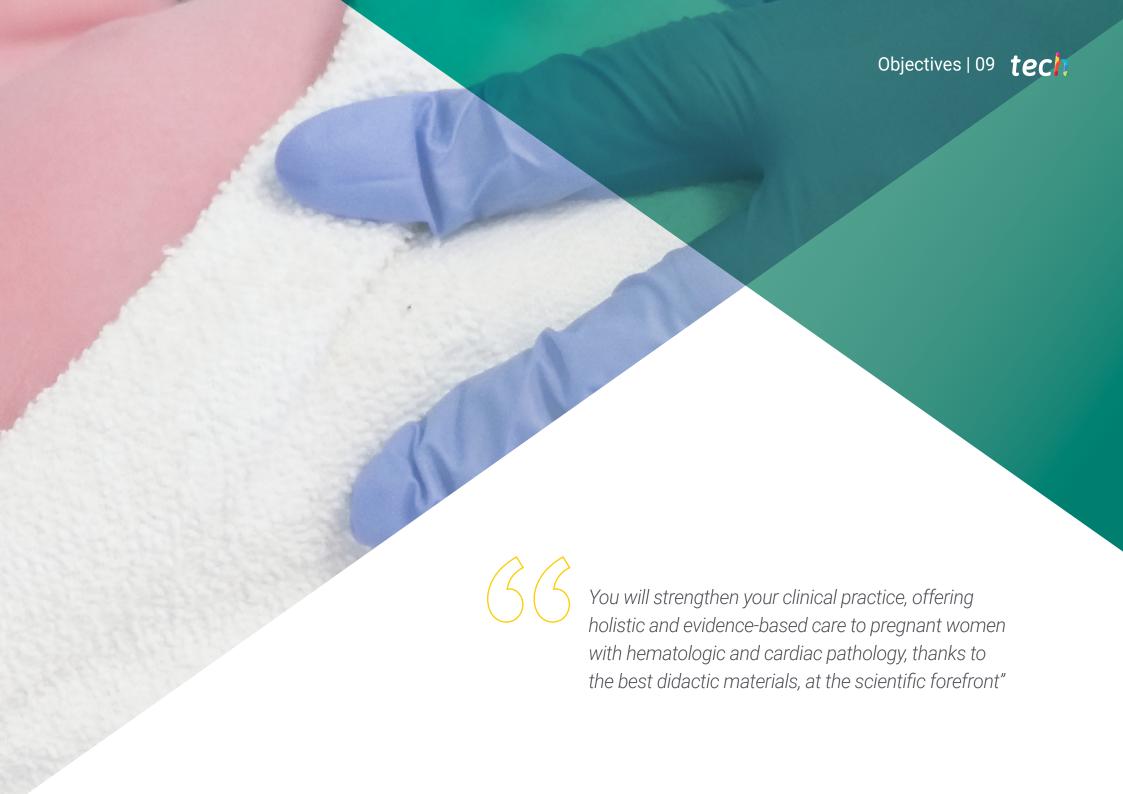
This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

You will analyze the controversies related to cardiac pathologies in gestation, given the complexity of these conditions and their possible implications for pregnancy.

You will address conditions such as gestational anemia and thrombopenias, managing tools for their appropriate treatment and follow-up, with the aim of optimizing maternal and fetal health.





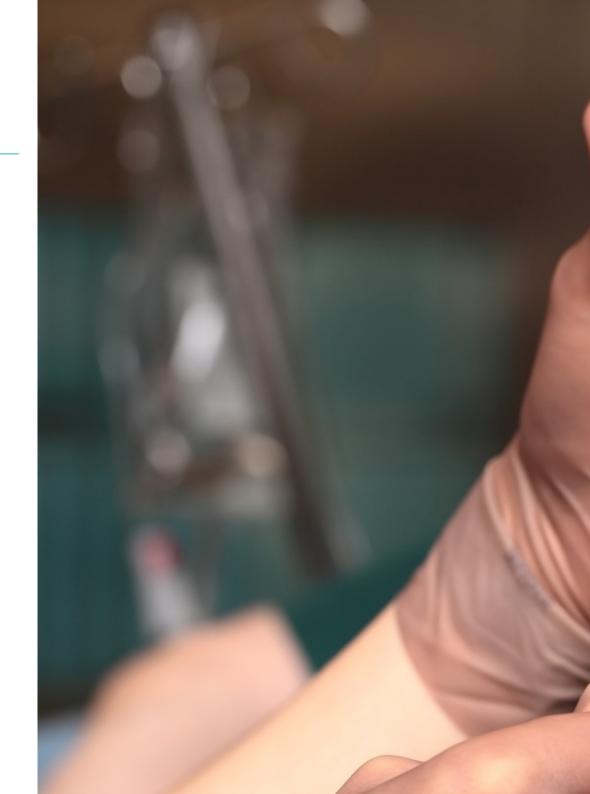


tech 10 | Objectives



General Objectives

- Update students' knowledge of the pathology of the first trimester of gestation
- Integrate new knowledge about fetal deformities, their causes and their resolution
- Instruct on the hemorrhagic pathology of the first trimester and its possible diagnoses
- Update the student's knowledge in everything related to the pathology of the digestive system and its interaction with pregnancy
- Inform about the medication of digestive pathologies and their possible teratogenesis
- Integrate the diagnostic difficulties of digestive diseases in pregnancy due to the physiological changes that occur during pregnancy
- Update knowledge in hematological and cardiac matters, as well as their main peculiarities in pregnancy
- Integrate the different genetic transmissions of hematological diseases







Specific Objectives

- Learn about the management of the main hematological pathologies that occur frequently during pregnancy, such as gestational anemia and Thrombopenias
- Learn in depth about perinatal hemolytic disease, which was a cause of death until a few years ago due to its lack of knowledge
- Discuss the main issues involved in cardiac pathologies in pregnancy, as some of them may hinder pregnancy



You will be specialized in the comprehensive approach to gestational heart disease, analyzing the controversies and challenges associated with these conditions, through an extensive library of multimedia resources"







International Guest Director

Dr. Leah McCoy is a **Nurse Midwifery** specialist and **Director** of the **Nurse Midwifery Education Program** at the Mayo Clinic in Minnesota, USA. Here she seeks to provide an innovative pathway for nurses to pursue a career as a midwife. With a special interest in ensuring quality care, she is dedicated to overseeing patient safety.

After a long career as a Nurse in **Obstetrics**, she has specialized in **outpatient cervical dilatation**, postpartum hemorrhage management and obstetric emergencies. One of her main responsibilities has been **delivery care**, but she has also been involved in **prenatal care** and the general health of the pregnant woman. In addition, she has experience as a trainer of professionals who wish to specialize in this branch of nursing.

In addition, Dr. Leah McCoy has been a member of the United States Navy Nurse Corps. After working for several years as a midwife, she decided to expand her knowledge and enlisted with the motivation to travel while providing a service to her country. With her recognized expertise, she is also a member of the Midwifery Certification of Midwives of the United States and a American College of Nurse Midwives.

In the field of research, she has worked on several projects in the area of **Obstetrics**. Some of the studies in which she has participated have focused on analyzing weight gain during gestation or in applying intermittent auscultation in low-risk women. She has also collaborated in a project to reduce the duration of labor induction with the aim of reducing by 10% the length of stay prior to delivery of the baby.



Dr. McCoy, Leah

- Director of the Nurse Midwifery Education Program at the Mayo Clinic, Minnesota USA.
- Nurse Practitioner, Department of Obstetrics and Gynecology, Mayo Clinic
- Instructor of the Obstetrics and Gynecology Area of the Mayo Clinic
- Doctorate in Obstetrical Nursing from Baylor University
- Graduate Degree in Nursing from Marquette University
- Member of: American College of Nurse Midwives and the United States Navy Nurse Corps



Thanks to TECH you will be able to learn with the best professionals in the world"

International Guest Director

Dr. Christelle Vauloup Fellous is an internationally recognized virologist who has served as Vice-President of the Research Group on Infections during Pregnancy (GRIG), in France. She has been a member of prestigious scientific societies, such as the European Society of Clinical Virology, the French Society of Microbiology (SFL) and the French Society of Infectious Pathology (SPILF).

She has also been Coordinator of the National Reference Center (CNR) for Maternal-Fetal Rubeolar Infections, where she has played a crucial role in the centralization and improvement of diagnostics related to this disease. She has also been Head of the National Reference Laboratory of the World Health Organization (WHO) for Rubella, consolidating her position as an authority in the investigation and management of

Viral Infections affecting pregnant women and their children.

In addition to her responsibilities in the field of Rubella, she has become a key figure in serological and prenatal diagnosis in hospital centers in France. In fact, her work in this field has allowed her to significantly improve the detection and treatment of infections during pregnancy. She has also been an active member of several working groups for the French Ministry of Health, where she has contributed to the implementation of protocols for the systematic detection of Cytomegalovirus (CMV) in gamete and embryo donors, as well as in pregnant women.

Throughout her career, Dr. Christelle Vauloup Fellous has been a prolific **author** and **researcher**, with outstanding publications exploring topics such as **transplacental transfer of neutralizing anti-SARS-CoV-2 antibodies** and the **prevalence of maternal and congenital toxoplasmosis**. In this regard, their work has had a direct impact on improving **maternal-fetal health** globally.



Dr. Vauloup Fellous, Christell

- Vice-President of the Research Group on Infections during Pregnancy (GRIG), France
- Coordinator of the National Reference Center (CNR) for Maternal-Fetal Rubeolar Infections
- Responsible for the WHO National Reference Laboratory for Rubella
- Responsible for Serologic and Prenatal Diagnosis in Hospital Centers
- Member of the Working Group on Cytomegalovirus Detection in Gamete and Embryo Donors (French Ministry of Health)
- Member of the Working Group on Systematic Detection of CMV Infection during Pregnancy (French Ministry of Health)
- Member of the Working Group on the Implementation of the Mandatory Declaration of Rubella (French Ministry of Health)
- Member of the Working Group on Prevention of Cytomegalovirus Infection in Pregnant Women (French Ministry of Health)
- PhD in Virology, Pierre and Marie Curie University

- Master's Degree of Science, Medical Virology, Université Denis Diderot
- Degree in Pharmacy from the University Paris-Sud
- Degree in Biology from the University Paris-Sud
- Member of: French Society of Microbiology (SFL), French Society of Infectious Pathology (SPILF) and European Society of Clinical Virology



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

Management



Ms. Hernando Orejudo, Isabel

- Nurse specialized in Obstetrics and Gynecology
- Midwife. San Carlos Clinical Hospita
- Outpatient Nurse. La Paz University Hospita
- University Diploma in Nursing. Autonomous University of Madrid

Professors

D. Márquez Espinar, Gumersindo

- Midwife in Hospital in San Carlos Clinical Hospital, Madrid
- Teacher at the Universidad Pontificia de Salamanca.
- Degree in Nursing
- Podiatry Degree
- Postgraduate Diploma in Care Research

Ms. Hernández Lachehab, Sonia

- Nurse of the Rural Attention Service in Madrid
- Midwife at the San Carlos Clinical University Hospital in Madrid
- Primary Care Nurse in SERMAS
- Nursing Diploma from the University of Alcala
- Nursing in Out-of-Hospital Emergencies
- Specialist in Obstetrics and Gynecology / Midwifery by the Teaching Unit of Madrid
- University Expert in Processes of Nursing Interventions for Pediatric Patients in Risk Situations



Course Management | 19 tech

Ms. De Miguel González, María José

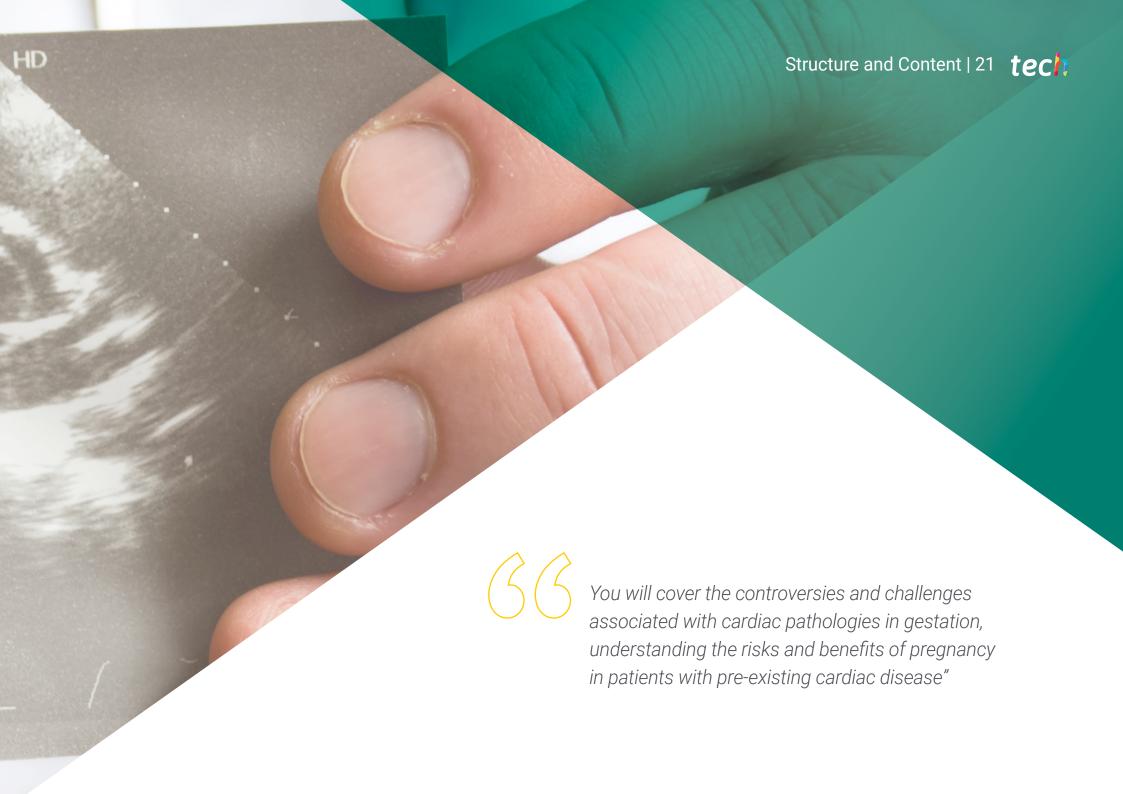
- Nurse at the Obstetrics and gynaecology-Ophthalmology Unit at the San Carlos Clinical Hospital
- Associate Nurse at the Hospital Clínico San Carlos
- Nurse by the University of Salamanca

Ms. De la Torre Arandilla, Ana

- Midwife in the Obstetrics Service of the University Hospital Puerta de Hierro.
- Midwife in Hospital in San Carlos Clinical Hospital
- Obstetric-Gynecological Specialty by the Hospital Universitario Puerta De Hierro.
- Teacher at the CTO Academy
- Member of the research team of the doctoral thesis "Clinical application of nursing science, present reality or pending task?" at the Hospital Universitario La Paz
- University Diploma in Nursing from the Autonomous University of Madrid







tech 22 | Structure and Content

Module 1. Pregnant with Hematological and Cardiac Problems

1	.1.	Gestational	Anemia

- 1.1.1. Concept
- 1.1.2. Etiopathogenesis and the Effect on the Fetus
- 1.1.3. Types of Anemias
 - 1.1.3.1. Microcytic Anemia
 - 1.1.3.2. Normocytic Anemia
 - 1.1.3.3. Macrocytic Anemia
- 1.1.4. Treatment and Prophylaxis
- 1.1.5. Other Forms of Anemia
 - 1.1.5.1. Faciform or Sickle Cell Anemia
 - 1.1.5.2. Thalassemia

1.2. Thrombocytopenia

- 1.2.1. Essential Trombopenia in Pegnancy
 - 1.2.1.1. Causes and Incidence
 - 1.2.1.2. Diagnosis
 - 1.2.1.3. Obstetric Behavior
- 1.2.2. Idiopathic Thrombocytopenic Purpura
 - 1.2.2.1. Causes and Incidence
 - 1.2.2.2. Diagnosis
 - 1.2.2.3. Obstetric Behavior
- 1.2.3. Alloimmune Neonatal Thrombopenia
 - 1.2.3.1. Causes and Incidence
 - 1.2.3.2. Diagnosis
 - 1.2.3.3. Obstetric Behavior
- 1.2.4. Thrombopenia Associated with Hypertensive States of Pregnancy
- 1.2.5. Therapeutic Management of Thrombopenias in Pregnancy
- 1.2.6. Therapeutic Management of the Newborn of a Mother with Thrombopenia



- 1.3. Coagulation Problems
 - 1.3.1. Von Willebrand Disease
 - 1.3.1.1. Definition and Epidemiology
 - 1.3.1.2. Considerations in Childbirth
 - 1.3.2. Hemophilia
 - 1.3.2.1. Definition and Epidemiology
 - 1.3.2.2. Types
 - 1.3.2.2.1. Hemophilia A
 - 1.3.2.2.2. Hemophilia B
 - 1.3.2.3. Chromosomal Inheritance Patterns of Hemophilia
 - 1324 Considerations in Childbirth
- 1.4. Varicose Syndrome
 - 1.4.1. Definition and Pathophysiology
 - 1.4.2. Clinical Symptoms
 - 1.4.3. Diagnosis
 - 1.4.4. Hemorrhoids
 - 1.4.5. Vulvar Varicose Veins
- 1.5. Perinatal Hemolytic Disease
 - 1.5.1. Concept
 - 1.5.2. Pathophysiology
 - 1.5.3. Rh Isoimmunization
 - 154 ABO Isoimmunization
- Thromboembolic Disease in Pregnancy and Puerperium: Deep Vein Thrombosis and Pulmonary Thromboembolism
 - 1.6.1. Aetiopathogenesis and Risk Factors
 - 1.6.2. Treatment
- 1.7. Gestational Heart Disease Cardiac Exploration in Pregnancy
 - 1.7.1. Cardiac Modification in Pregnancy
 - 1.7.2. Epidemiology of Cardiac Pathology in Pregnancy
 - 1.7.3. Risk Classification of Gestational heart Disease
 - 1.7.4. Preconception Counseling for Pregnant Women with Heart Disease
 - 1.7.5. Situations that Hinder Gestation
 - 1.7.6. Management and Choice of Delivery Method

- 1.8. Pregnant Women with Valvular Heart Disease
 - 1.8.1. Mitral Senosis
 - 1.8.2. Aortic Stenosis
 - 1.8.3. Mitral Insufficiency
 - 1.8.4. Aortic Insufficiency
 - 1.8.5. Tricuspid insufficiency
 - 1.8.6. Valve Prosthesis
- 1.9. Arrhythmias in Pregnancy
 - 1.9.1. Paroxysmal Supraventricular Tachycardia
 - 1.9.2. Atrial Fibrillation
 - 1.9.3. Ventricular Arrhythmias
 - 1.9.4. Bradyarrhythmias
- 1.10. Pregnant Women with Congenital Cardiac Pathology
 - 1.10.1. Tetralogy of Fallot
 - 1.10.2. Coarctation of Aorta
 - 1.10.3. Marfan Syndrome
 - 1.10.4. Single Ventricle
 - 1.10.5. Fontan
 - 1.10.6. Pregnant Women with Cardiac Transplants

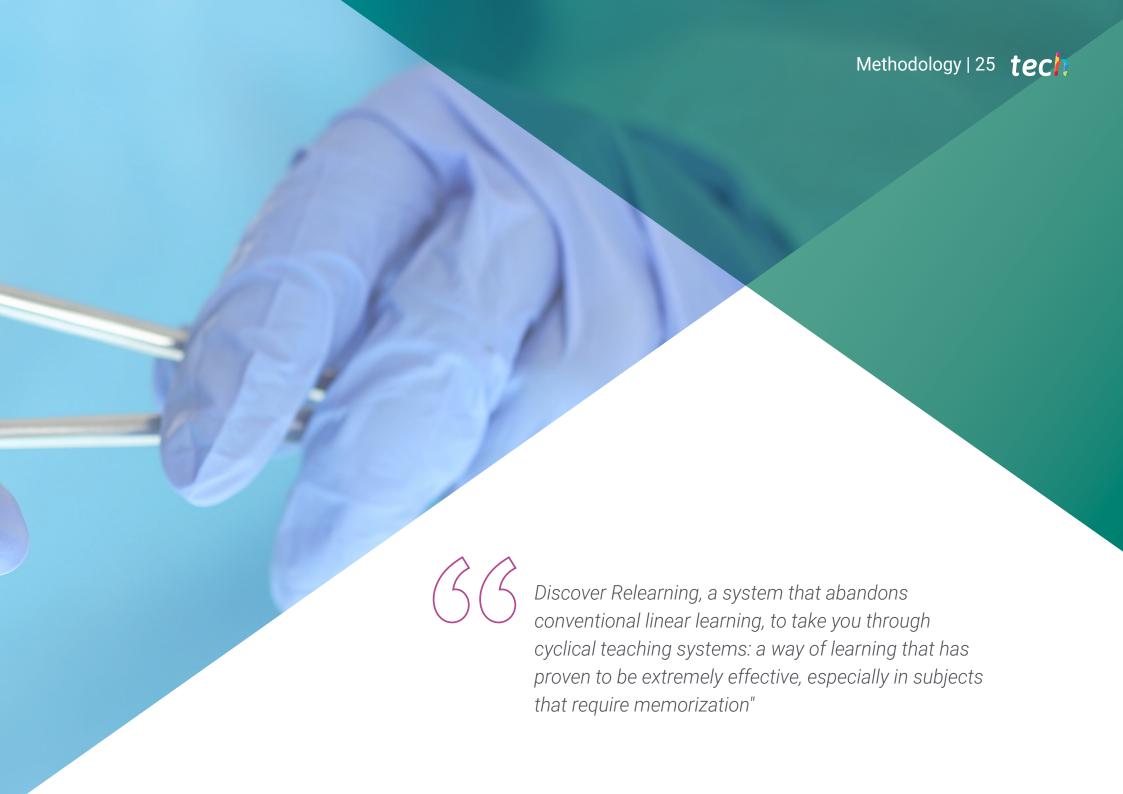


You will be prepared to provide evidence-based care to pregnant women with hematologic and cardiac pathology, contributing to improved maternal-fetal outcomes"



This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

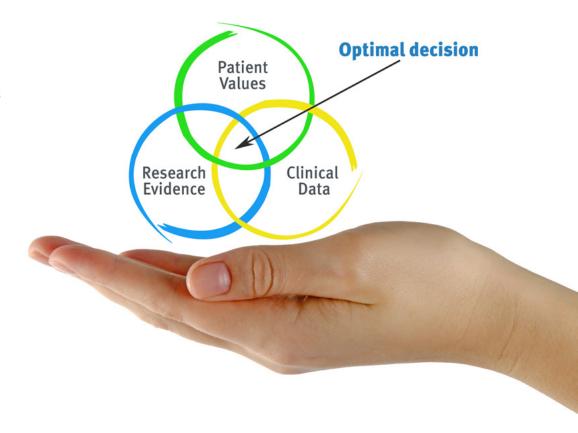


tech 26 | Methodology

At TECH Nursing School we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Nurses learn better, faster, and more sustainably over time.

With TECH, nurses can experience a learning methodology that is shaking the foundations of traditional universities around the world.



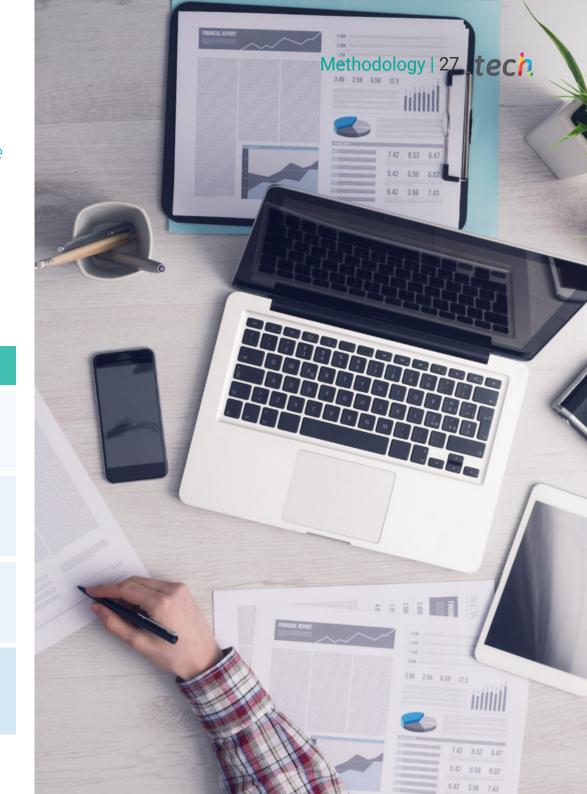
According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, in an attempt to recreate the real conditions in professional nursing practice.



Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method"

The effectiveness of the method is justified by four fundamental achievements:

- Nurses who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their knowledge.
- 2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into the hospital setting or primary care.
- 3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
- 4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.





Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine case studies with a 100% online learning system based on repetition combining a minimum of 8 different elements in each lesson, which is a real revolution compared to the simple study and analysis of cases.

The nurse will learn through real cases and by solving complex situations in simulated learning environments.

These simulations are developed using state-of-the-art software to facilitate immersive learning.



Methodology | 29 tech

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 175,000 nurses with unprecedented success in all specialities regardless of practical workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.

This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is really specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



Nursing Techniques and Procedures on Video

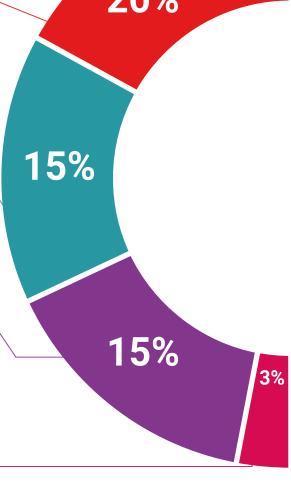
We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

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

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





Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.



Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



Classes

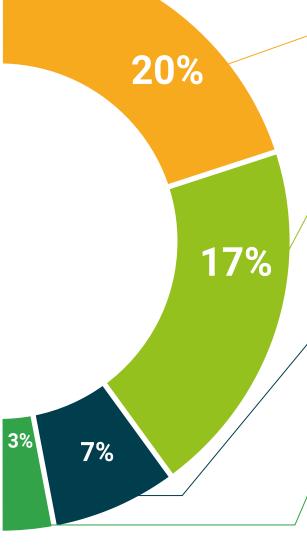
There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.







tech 34 | Diploma

This private qualification will allow you to obtain a **Postgraduate Certificate in Pregnancy with Hematologic and Cardiac Pathology for Nursing** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra (*official bulletin*). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

This **TECH Global University** 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 Pregnancy with Hematologic and Cardiac Pathology for Nursing

Modality: online

Duration: 6 weeks

Accreditation: 6 ECTS



has successfully passed and obtained the title of:

Postgraduate Certificate in Pregnancy with Hematologic and

, with identification document

Cardiac Pathology for Nursing

This is a private qualification of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024



health

guarantee

technology



Pregnancy with Hematologic and Cardiac Pathology for Nursing

- » Modality: online
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- » Accreditation: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

