

# Postgraduate Certificate

## Update on Digestive Pathology in Pregnancy for Midwives





## Postgraduate Certificate

### Update on Digestive Pathology in Pregnancy for Midwives

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

Website: [www.techtute.com/us/nursing/postgraduate-certificate/update-digestive-pathology-pregnancy-midwives](http://www.techtute.com/us/nursing/postgraduate-certificate/update-digestive-pathology-pregnancy-midwives)

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# 01

# Introduction

Nausea and vomiting are usually the most frequent symptoms during the first trimester of pregnancy. However, there are many patients who have previous pathologies or pathologies that arise during pregnancy and are more serious. For example, appendicitis, ulcerative colitis or Crohn's disease have their own diagnostic and clinical particularities. And it is on this wide range of pathologies, from the mildest to the most critical, that this 100% online program is focused. A program designed for midwives to obtain in only 6 weeks an effective upgrade of their knowledge in pathologies of the most critical pathologies, from the mildest to the most critical.



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*Are you looking for an actualization of digestive pathologies compatible with your daily professional activity? This is the ideal university program for you"*

Hyperemesis gravidarum is undoubtedly one of the most recurrent in the care of pregnant patients in the emergency department. Its appearance is common in the first weeks of pregnancy, decreasing after 18 weeks of gestation. However, establishing a proper differential diagnosis may indicate other problems that may present greater health problems for the patient and the fetus, such as appendicitis, cholecystitis or pancreatitis.

A common reality for midwives, who, however, thanks to scientific findings and continued practice, have managed to improve diagnostic procedures and the approach to the pregnant patient. In this context, TECH wanted to contribute to this process by providing professionals with a university program, taught by an excellent team of specialists in Obstetrics and Gynecology.

This program covers the main digestive pathologies for which a midwife must be prepared to act, applying the latest clinical evidence. Thus, you will be able to delve into neurovegetative disorders, constipation in pregnancy, inflammatory bowel disease or special considerations for the diagnosis of intestinal obstruction during pregnancy.

All this, supported by multimedia didactic material, readings and simulations of case studies that will facilitate a theoretical-practical vision of the professional's performance. Also, thanks to the Relearning method, the graduate will obtain a much more effective catch-up, without having to spend long hours memorizing concepts.

An unparalleled opportunity that only TECH offers to those who seek to keep abreast of the latest clinical procedures and assistants in digestive pathologies through a flexible program that is compatible with the most demanding daily responsibilities.

This **Postgraduate Certificate in Update on Digestive Pathology in Pregnancy for Midwives** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- ♦ The development of practical cases presented by experts in Obstetrics
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential 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



*A complete program that will give you the most important procedures to treat pregnant patients with Crohn's disease"*



*An academic option that takes you in depth from the most frequent neurovegetative disorders to treatments in pregnant patients with acute pancreatitis"*

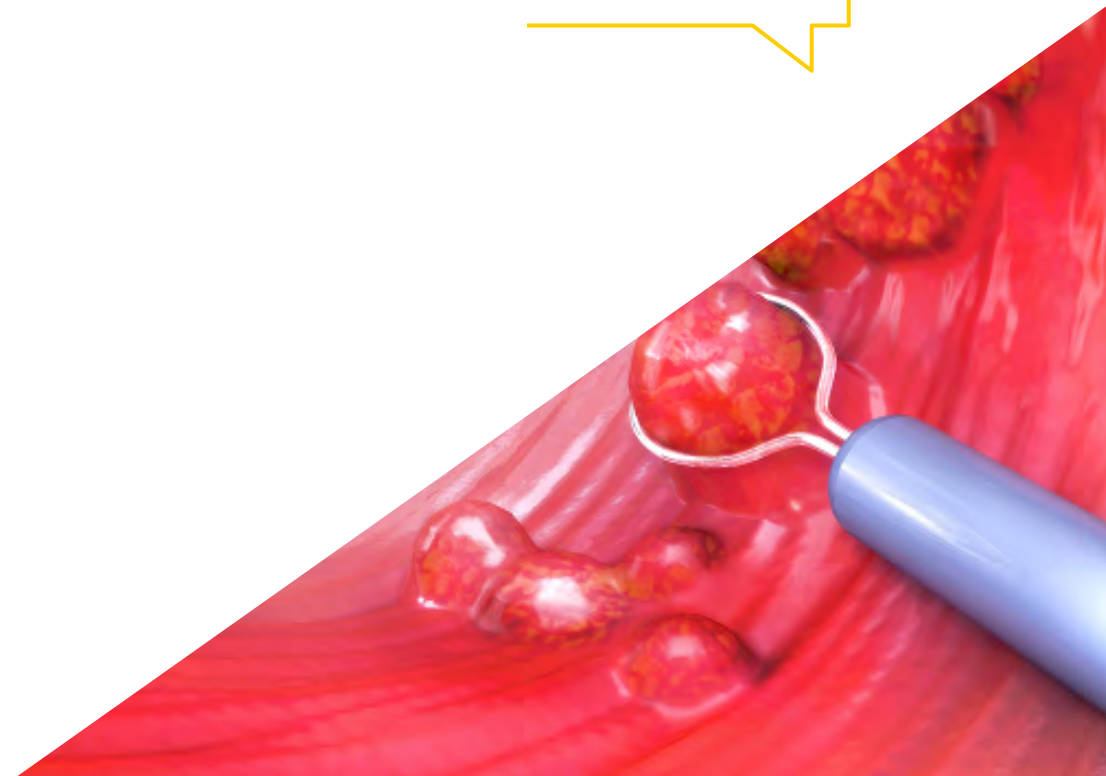
*A Postgraduate Certificate with which you will be able to delve into the treatments currently used for patients with intestinal obstruction.*

*Raise your competences for the treatment of the pregnant patient with Hepatitis B and neonatal care.*

The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide an immersion education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.



02

# Objectives

The purpose of this Postgraduate Certificate is to provide midwives with the scientific evidence that supports the methods and procedures used in the detection of digestive pathologies in pregnant patients. To facilitate this goal, this institution provides the graduate with innovative pedagogical tools and an expert teaching team, which will resolve any questions that arise during the course of this program.





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*The Relearning system is designed for you to get an effective catch-up, without the need to dedicate long hours of study”*



## General Objectives

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- Understand heartburn and peptic ulcer in pregnant patients, including the effects of pregnancy on these conditions, as well as hygienic measures and appropriate treatment
- Understand constipation in pregnancy, its diagnostic criteria, etiology and the different treatment options, both non-pharmacological and pharmacological
- Understand the neurovegetative disorders that can affect pregnant patients, such as appetite disorders, hypersalivation, and nausea and vomiting, and know their implications in pregnancy
- Acquire knowledge of hyperemesis gravidarum, including its concept, etiopathogenesis, clinical manifestation, diagnosis, and the treatment and care measures necessary for its handling
- Become familiar with the different conditions of the mouth that can occur during pregnancy, such as caries, epiulis gravidarum, gingivitis, perimyolysis and xerostomia, and to learn about their prevention and treatment





## Specific Objectives

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- ◆ Improve knowledge on some of the most frequent pathologies in pregnancy, such as hyperemesis gravidarum, a pathology that occurs frequently during pregnancy, and which is the subject of midwives' work in emergency and high obstetric risk units
- ◆ Know the importance of the early diagnosis of pathologies such as intrahepatic cholestasis of pregnancy, which can have fatal consequences if not if not treated correctly
- ◆ Increase knowledge about viral hepatitis during pregnancy, since, due to its special considerations in childbirth, they are the subject of careful study by midwives
- ◆ Describe the pathology that affects gastric discomfort during pregnancy, such as reflux, an ailment for which pregnant patients consult throughout pregnancy on numerous occasions
- ◆ Describe the main hygienic measures to combat it



*Gain practical insight into the processes for detecting intrahepatic cholestasis before it leads to fatal consequences"*

03

# Course Management

The faculty that teaches this program is characterized by having extensive professional experience as midwives in first level hospital centers. This background allows them to provide students with the most recent and useful practical information on the approach and management of patients with digestive pathologies during the gestational process. A unique opportunity for a successful upgrade from the hand of the best specialists.



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*Enhance your skills with the most up-to-date syllabus prepared by midwives with extensive experience in patients with cardiac and hematological pathologies"*

## 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 World Health Organization (WHO) National Reference Laboratory 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 is also 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, her work has had a direct impact on improving maternal-fetal health globally.



## Dra.Christell Vauloup Fellous

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- ♦ Vice-President of the Research Group on Infections during Pregnancy (GRIG), France
- ♦ Coordinator of the National Reference Center (CNR) for Maternal-Fetal Rubellar Infections
- ♦ Head of the WHO National Reference Laboratory for Rubella
- ♦ Head of Serological 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 Implementation of Compulsory Rubella Declaration (French Ministry of Health)
- ♦ Member of the Working Group on Prevention of Cytomegalovirus Infection in Pregnant Women (French Ministry of Health)
- ♦ Doctor in Virology, University Pierre and Marie Curie
- ♦ Master's Degree in Medical Virology, Denis Diderot University, France
- ♦ Degree in Pharmacy from the University Paris-Sud
- ♦ Degree in Biology from the University Paris-Sud
- ♦ Member of: French Society of Microbiology (SFL), Francophone Society of Infectious Pathology (SPILF), European Society of Clinical Virology

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

## Management



### Ms. Hernando Orejudo, Isabel

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

## Professors

### 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
- Diploma in Nursing from the University of Alcalá
- Nursing in Outpatient Emergencies
- Specialist in Obstetrics and Gynecology / Midwife by the Teaching Unit of Madrid
- University Expert in Processes of Nursing Interventions for Pediatric Patients in Risk Situations

### Ms. De la Torre Arandilla, Ana

- Midwives in the Obstetrics Service of the University Hospital Puerta de Hierro
- Midwife in Hospital in San Carlos Clinical Hospital
- Specialist Obstetric-Gynecological the Puerta De Hierro University Hospital
- Lecturer 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 La Paz University Hospital
- University Diploma in Nursing from the Autonomous University of Madrid





**D. Márquez Espinar, Gumersindo**

- ◆ Midwife in Hospital in San Carlos Clinical Hospital, Madrid
- ◆ Professor at the Pontificia University of Salamanca
- ◆ Degree in Nursing
- ◆ Degree in Podiatry
- ◆ Master's Degree in Care Research

**Ms. De Miguel González, María José**

- ◆ Nurse at the Obstetrics and gynaecology-Ophthalmology Unit at the San Carlos Clinical Hospital
- ◆ Assistant Nurse at the San Carlos Clinical Hospital
- ◆ Graduate Nurse from the University of Salamanca

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

# 04

## Structure and Content

During the 180 teaching hours of this Postgraduate Certificate, the healthcare professional will learn about the latest diagnostic and therapeutic advances in digestive pathologies in pregnancy. All this through an advanced syllabus, complemented by a virtual library easily accessible and available 24 hours a day, from any electronic device with internet connection. In addition, thanks to the Relearning system, the graduate will achieve a much more effective catch-up without investing a great amount of study hours.





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*Multimedia pills, specialized readings and clinical case studies will be at your fingertips 24 hours a day, from your cell phone with internet connection”*

## Module 1. Pregnant Woman with Pathology derived from the Digestive System

- 1.1. Neurovegetative Disorders
  - 1.1.1. Appetite Disorders
  - 1.1.2. Sialorrhea
  - 1.1.3. Nausea and Vomiting
- 1.2. Hyperemesis Gravidarum
  - 1.2.1. Concept
  - 1.2.2. Etiopathogenesis.
  - 1.2.3. Clinical Manifestations
  - 1.2.4. Diagnosis
  - 1.2.5. Treatment and Care
- 1.3. Mouth Disorders
  - 1.3.1. Cavities During Pregnancy
  - 1.3.2. Epulis Gravidarum
  - 1.3.3. Gingivitis
  - 1.3.4. Perimyolysis
  - 1.3.5. Xerostomia
- 1.4. Pyrosis and peptic ulcer in pregnant patients
  - 1.4.1. Concept
  - 1.4.2. Effect of Pregnancy on Heartburn and Peptic Ulcers
  - 1.4.3. Treatment and Hygienic Precautions
- 1.5. Constipation in Pregnancy
  - 1.5.1. Definition: ROMA criteria
  - 1.5.2. Etiology
  - 1.5.3. Diagnosis
  - 1.5.4. Treatment
    - 1.5.4.1. Non-Pharmacological Treatment
    - 1.5.4.2. Medical treatment



- 1.6. Inflammatory Bowel Disease
  - 1.6.1. Crohn's Disease
    - 1.6.1.1. Preconception Counseling
    - 1.6.1.2. Impact of Gestation on the Disease
    - 1.6.1.3. Diagnosis during Pregnancy
    - 1.6.1.4. Treatment
  - 1.6.2. Ulcerative Colitis
    - 1.6.2.1. Preconception Counseling
    - 1.6.2.2. Impact of Gestation on the Disease
    - 1.6.2.3. Diagnosis during Pregnancy
    - 1.6.2.4. Treatment
- 1.7. Appendicitis and Intestinal Obstruction
  - 1.7.1. Acute Appendicitis
    - 1.7.1.1. Concept
    - 1.7.1.2. Special Diagnostic Considerations in Pregnancy
    - 1.7.1.3. Treatment
  - 1.7.2. Intestinal Obstruction
    - 1.7.2.1. Concept
    - 1.7.2.2. Special Diagnostic Considerations in Pregnancy
    - 1.7.2.3. Treatment
- 1.8. Gallbladder and liver pathology
  - 1.8.1. Cholecystitis
    - 1.8.1.1. Special Considerations and Management in Gestation
  - 1.8.2. Colelithiasis
    - 1.8.2.1. Special Considerations and Management in Gestation
  - 1.8.3. Fatty liver or acute liver degeneration
    - 1.8.3.1. Definition and Aetiology
    - 1.8.3.2. Clinical Symptoms
    - 1.8.3.3. Diagnosis
    - 1.8.3.4. Treatment
- 1.9. Intrahepatic Cholestasis of Pregnancy
  - 1.9.1. Concept
  - 1.9.2. Clinical Symptoms
  - 1.9.3. Diagnosis
  - 1.9.4. Treatment
  - 1.9.5. Fetal Impact and Prognosis
- 1.10. Chronic viral hepatitis and Gestation
  - 1.10.1. Hepatitis B
    - 1.10.1.1. Epidemiology
    - 1.10.1.2. Diagnosis and Screening
    - 1.10.1.3. Clinical Management
    - 1.10.1.4. Delivery of an HIV-positive Woman
    - 1.10.1.5. Neonatal Care and Vertical Infection
  - 1.10.2. Hepatitis C
    - 1.10.2.1. Epidemiology
    - 1.10.2.2. Diagnosis and Screening
    - 1.10.2.3. Clinical Management
    - 1.10.2.4. Delivery of an HIV-positive Woman
    - 1.10.2.5. Neonatal Care and Vertical Infection
- 1.11. Pancreas
  - 1.11.1. Acute Pancreatitis in Pregnancy
    - 1.11.1.1. Definition and Risk Factors
    - 1.11.1.2. Clinical Symptoms
    - 1.11.1.3. Treatment



*You will be able to incorporate into your daily practice the latest advances in the clinical care of the patient presenting with acute pancreatitis in pregnancy"*

05

# Methodology

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

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



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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH Nursing School we use the Case Method

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

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



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



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

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

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



## Relearning Methodology

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

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



*The nurse will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*

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

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

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

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

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



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



### Study Material

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

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



### Nursing Techniques and Procedures on Video

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



### Interactive Summaries

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

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



### Additional Reading

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





#### 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.



06

# Certificate

The Postgraduate Certificate in Update on Digestive Pathology in Pregnancy for Midwives 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 program will allow you to obtain your **Postgraduate Certificate in Update on Digestive Pathology in Pregnancy for Midwives** endorsed by **TECH Global University**, the world's largest online university.

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

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

Title: **Postgraduate Certificate in Update on Digestive Pathology in Pregnancy for Midwives**

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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Update on Digestive Pathology  
in Pregnancy for Midwives

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