

# Postgraduate Certificate

## Obstetric Emergencies During the Dilation Phase for Midwives





## Postgraduate Certificate Obstetric Emergencies During the Dilation Phase 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/obstetric-emergencies-during-dilation-phase-midwives](http://www.techtute.com/us/nursing/postgraduate-certificate/obstetric-emergencies-during-dilation-phase-midwives)

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# 01

# Introduction

Different studies over the last few years have shown that the medicalization of childbirth and obstetric interventionism increase the rate of iatrogenesis. This leads to a framework of action where low or minimal intervention is rewarded. For this reason, it is necessary that the midwives have the most updated tools and knowledge, in order to update the criteria for admission and action against different pathologies that may occur in the dilation phase of labor. This Postgraduate Certificate makes an extensive review of the most recent developments in the different dystocias of labor, of great interest to the midwives. The online format of the program makes it possible to combine it with the most demanding professional or personal activities, giving total flexibility.





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*Incorporate into your daily practice the important advances in dystocias such as umbilical cord knots or breech presentation”*

One of the midwives' primary objectives during the labor process is to ensure fetal well-being, which can be achieved through both internal and external monitoring of the fetus. The various advances in pharmacological and non-pharmacological methods of pain relief during labor have also made it possible to provide better well-being to the pregnant woman, although the midwives must be prepared for the complications that may arise from their use.

TECH has assembled an obstetric team with vast experience in the field of Obstetric Emergencies to design this program, which covers the main complications during the dilation phase of labor. By combining this clinical experience with the latest scientific postulates, the midwives have access to high quality material that can even be used as a reference guide in the future.

In order to guarantee a better updating process, both face-to-face classes and fixed schedules have been eliminated. All didactic material is available from day one and can be downloaded from any device with an Internet connection. This allows the midwives to study all the content at their own pace, adapting it to their responsibilities without having to sacrifice any aspect of their personal or professional life.

This **Postgraduate Certificate in Obstetric Emergencies During the Dilation Phase for Midwives** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- ♦ The examination of practical cases presented by experts in Emergencies Obstetric and Neonatal
- ♦ 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 self-assessment can be used 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



*Get updated on the main risks of loss of fetal well-being, including studies on pathological parameters and complementary tests in force in the area of Obstetric Emergencies"*

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*Learn more about the most important Obstetric Emergencies during the dilatation phase with a large number of high quality audiovisual resources, developed by the teachers themselves”*

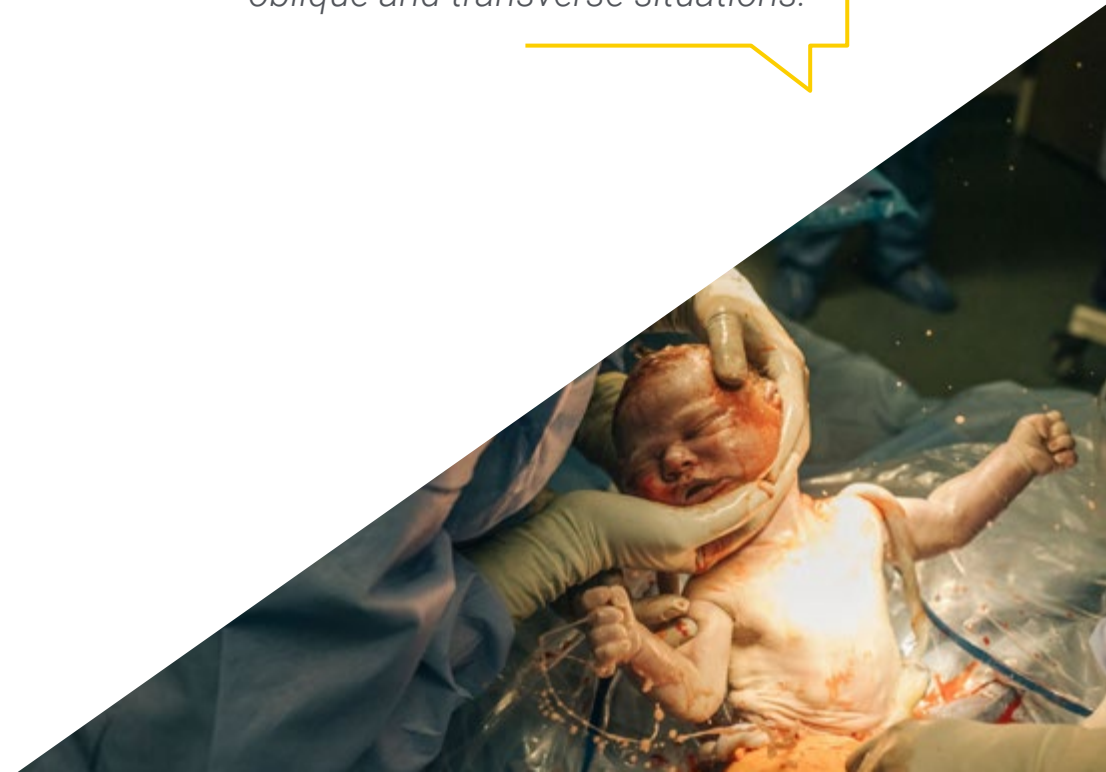
The program's teaching staff includes professionals from the sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professionals with situated and contextual learning, i.e., a simulated environment that will provide an 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 throughout the program. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.

*You will have the option to download and access all the didactic material from day one, even choosing in which order to study it.*

*Get up to date on abnormal presentations during the dilation phase of labor, covering face, forehead, chin, oblique and transverse situations.*



# 02 Objectives

This TECH program aims to update the midwives in the main Obstetric Emergencies that they may face during the dilation phase of labor. Therefore, all the material gathered is of the highest scientific rigor and has been contrasted by a high level teaching team, guaranteeing its quality and its subsequent usefulness to be used as a reference guide, making the qualification useful even during and after its duration.





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*You will have at your disposal the most advanced technological and didactic resources of the academic panorama, designed to update you in the most important Obstetric Emergencies"*



## General Objectives

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- ♦ Detect the different obstetric emergencies during pregnancy, childbirth and postpartum period in an early manner, in order to perform an updated approach and achieve a satisfactory obstetric outcome to be able to reduce maternal-fetal morbimortality
- ♦ Be able to provide specialist care for each urgent obstetric pathology
- ♦ Acquire skills for emergency neonatal care when the obstetric pathology involves mother and fetus





## Specific Objectives

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- ◆ Recognize and initiate timely management of urgent situations that may occur during the dilation phase of labor
- ◆ Identify and know how to perform the obstetric maneuvers indicated to solve each urgent situation during the dilation phase of labor
- ◆ Demonstrate midwifery skills to deal with these situations



*Both your objectives and TECH's are aligned. That is why all the material you will have access to is of the highest scientific rigor and will help you to be updated in the most relevant Obstetric Emergencies"*

03

# Course Management

The teaching team in charge of this program has developed its professional career in the Obstetrics area of prestigious hospitals. This has allowed them to acquire a developed vision of the possible obstetric emergencies that the midwife must face, perfecting their approach technique in numerous interventions and years of work. The present program gathers all their knowledge in a comfortable, accessible and modern format, being the best academic option to be updated in Obstetric Emergencies during the Dilatation Phase.



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*You will have the full support of a teaching team committed to the maximum in your professional update”*

## International Guest Director

Dr. Olivier Picone is a leading international expert in the field of Obstetrics and Prenatal Diagnostics. Indeed, his expertise has focused on a wide range of techniques, including screening and diagnostic ultrasound, amniocentesis and trophoblast biopsies. In this regard, he has contributed significantly to the advancement of maternal and fetal medical care.

In addition to his clinical work, he has played important roles in leading health organizations in France. For instance, as President of the French Federation of Prenatal Diagnostic Centers of the CPDPN, he has led initiatives to improve the quality and accessibility of prenatal diagnostic services beyond the country's borders.

Likewise, his commitment to research and prevention of viral infections during pregnancy has led him to publish numerous articles and to participate in working groups of international renown, such as the High Authority of Health and the High Council of Public Health. His research interests include Obstetrics, Gynecology, Gynecological Surgery, Obstetric Surgery, Gynecological Ultrasound, Pathological Pregnancy and Obstetric Ultrasound. In this way, his dedication to critical issues, such as CMV and Zika, has been fundamental in developing management protocols and clinical recommendations.

Also, it is worth mentioning his position as President of the Research Group on Infections during Pregnancy (GRIG), being co-author of academic reference books, such as Maternal Pathologies and Pregnancy, contributing significantly to scientific knowledge in his field. Likewise, his leadership in the creation of the University Diploma in Infectious Diseases of Pregnant Women has demonstrated his commitment to medical education and the strengthening of perinatal care worldwide.



## Dr. Picone, Olivier

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- President of the French Federation of Prenatal Diagnostic Centers of the CPDPN, Paris, France
- President of the Research Group on Infections during Pregnancy (GRIG)
- Gynecologist, Obstetrician and Head of Prenatal Diagnosis in public and private practices
- Specialist in Obstetrical Gynecology at the University of Paris Cité
- Qualified to Conduct Research (HDR) by the University of Paris Cité
- Doctor in Medicine by the University of Paris Cité
- Member of: French National College of Obstetrical Gynecologists (CNGOF), Women's Health Fund, Foch Hospital Foundation, French Fetal Medicine Club at the French College of Fetal Ultrasound (CNGOF)



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

## Management



### **Ms. Fernández López-Mingo, Raquel Desirée**

- Midwife at Gregorio Marañón General University Hospital and San Rafael Hospital
- Midwife at the Cerro Almodovar Health Center in Madrid
- Graduate in Nursing at the Complutense University of Madrid
- EIR of Obstetrics and Gynecology, Gregorio Marañón General University Hospital
- Master's Degree in from Integration in Care and Clinical Problem Solving in Nursing, University of Alcalá de Henares



### **Ms. Muñoz Serrano, María del Carmen**

- Midwife at the University del Sureste Hospital, in Arganda del Rey, and the HLA Moncloa Hospital in Madrid
- Midwife in the Infanta Sofía Hospital in in San Sebastián de los Reyes
- Degree in Nursing from the University of Granada
- Obstetrical - Gynecological EIR at the Gregorio Maraón General University Hospital
- Master's Degree in from Integration in Care and Clinical Problem Solving in Nursing, University of Alcalá de Henares
- University Expert in Gynecologic, Obstetric and Neonatal Emergencies at the Catholic University of Avila





## Professors

### Mr. García Jerez, Pablo

- ◆ Specialist Nurse in Obstetrics and Gynecology at the Infanta Cristina University Hospital and HLA Moncloa University Hospital
- ◆ Specialist Nurse at the Infanta Sofia University Hospital, La Riera Health Center and Germans Trias i Pujol University Hospital
- ◆ General nurse at Hospital Universitario Puerta de Hierro, Hospital San Rafael, Centro de Salud Avenida de Aragón and Hospital Universitario Ramón y Cajal
- ◆ Graduated in Nursing from Pontificia de Comillas University
- ◆ EIR in Obstetrical-Gynecological Nursing at the Germans Trias i Pujol University Hospital
- ◆ University Expert in Gynecologic, Obstetric and Neonatal Emergencies for Midwives at the Catholic University of Avila

# 04

## Structure and Content

Since the contents of this program are extremely scientific and require appropriate deepening, TECH has incorporated the pedagogical methodology of Relearning in the development of all topics. This means that, in order to save the midwives a considerable investment of study hours, the most important concepts of dystocia and Obstetric Emergencies during labor are reiterated throughout the program. This results in a much more natural and progressive update, without unnecessary complications.





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*You will have access 24 hours a day to a virtual classroom full of didactic materials, with detailed videos, real clinical cases and complementary readings for each topic"*

## Module 1. Obstetric Emergencies During Labor: Dilation Phase

- 1.1. Labor and Delivery
  - 1.1.1. Prodromes of Labor
  - 1.1.2. Delivery
  - 1.1.3. Stages in the Birth Process
  - 1.1.4. Admission Criteria
- 1.2. Analgesia during the Dilatation Period
  - 1.2.1. Non-Pharmacological Pain Relief Methods
  - 1.2.2. Pharmacological Pain Relief Methods
  - 1.2.3. Complications
- 1.3. Methods of Monitoring Fetal Well-Being
  - 1.3.1. External Fetal Monitoring
  - 1.3.2. Internal Fetal Monitoring
  - 1.3.3. Basic Parameters for the Interpretation of Cardiotocographic Recordings
- 1.4. Risk of Loss of Fetal Well-Being
  - 1.4.1. Pathology Parameters for the Interpretation of Cardiotocographic Recordings
  - 1.4.2. Interpretation of the Register according to Different Agencies
  - 1.4.3. Other Complementary Tests
  - 1.4.4. Intrauterine Fetal Resuscitation
- 1.5. Dystocia during Childbirth Maternal Causes Dynamic Dystocia
  - 1.5.1. Dynamic Dystocia
  - 1.5.2. Diagnosis of Non-Progression of Labor
- 1.6. Birth Canal Dystocia
  - 1.6.1. Soft Canal Dystocia
  - 1.6.2. Boned Canal Dystocia
  - 1.6.3. Positioning during Delivery Fetal Descent
- 1.7. Labor Dystocias: Ovarian Causes
  - 1.7.1. Umbilical Cord Knots
  - 1.7.2. Umbilical Cord Circulars
  - 1.7.3. Umbilical Cord Prolapse



- 1.8. Labor Dystocias: Ovarian Causes
  - 1.8.1. Types of Podalic Presentation
  - 1.8.2. Vaginal Breech Delivery
  - 1.8.3. Complications
- 1.9. Labor Dystocias: Other Presentations
  - 1.9.1. Anomalous Presentations: Face, Forehead, Chin
  - 1.9.2. Anomalous Presentations: Oblique and Transverse Situations
  - 1.9.3. Compound Presentations
- 1.10. Amniotic Fluid Embolism
  - 1.10.1. Etiology and Risk Factors
  - 1.10.2. Diagnosis
  - 1.10.3. Performance

“ You can access the virtual classroom from the comfort of your smartphone or tablet of choice, or download the content and transfer it to your favorite device. At TECH you decide”

# 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 Obstetric Emergencies During the Dilation Phase 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 Obstetric Emergencies During the Dilation Phase 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 Obstetric Emergencies During the Dilation Phase 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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