

# Postgraduate Certificate

## Emergencies Obstetric in Natural Childbirth





## Postgraduate Certificate Emergencies Obstetric in Natural Childbirth

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/pk/medicine/postgraduate-certificate/emergencies-obstetric-natural-childbirth](http://www.techtute.com/pk/medicine/postgraduate-certificate/emergencies-obstetric-natural-childbirth)

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# 01

# Introduction

In natural childbirth, various complications can arise that, in the worst cases, may lead to the death of the child or the mother. Therefore, the scientific community has focused its efforts on developing procedures and techniques that facilitate the prompt management of these serious situations to preserve the well-being of both the woman and the newborn. As a result, specialists who wish to stay at the forefront of medicine are required to have an in-depth understanding of these cutting-edge mechanisms. For this reason, TECH has created this program, which enables specialists to learn the latest strategies for addressing shoulder dystocia or managing complex patient scenarios. All of this is available completely online without any time limitations.





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*With this Postgraduate Certificate, you will be able to learn cutting-edge techniques for managing shoulder dystocia”*

Shoulder dystocia or umbilical cord prolapse are some of the most common emergency cases that can occur during natural childbirth. Proper management is crucial to ensure the baby's survival. As a result, the techniques used to handle these emergency situations are continuously improving. Therefore, doctors must stay up-to-date in this field to avoid falling behind in their sector's advancements.

Faced with this situation, TECH has developed this program, offering specialists a comprehensive update in the field of Obstetric Emergencies in Natural Childbirth. Over 6 weeks of intensive learning, you will delve into sophisticated strategies for managing extended labor or mechanisms for preventing shoulder dystocia. You will also identify cutting-edge techniques for pain management and deepen your understanding of decision-making in complicated births.

Thanks to the 100% online delivery of this program, you will be able to achieve effective learning by managing your study time at your own convenience. You will also have access to educational materials in a wide range of varied textual and multimedia formats. This way, you will be well-equipped to seamlessly balance your daily responsibilities with your professional development.

This **Postgraduate Certificate in Emergencies Obstetric in Natural Childbirth** contains the most complete and up-to-date scientific program on the market. The most important features include:

- The development of clinical cases presented by experts in Vascular Surgery
- 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 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



*Throughout this academic journey, you will delve into sophisticated strategies for managing prolonged labor"*

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*Enjoy a syllabus designed by specialists who have worked in top-tier hospitals for several decades”*

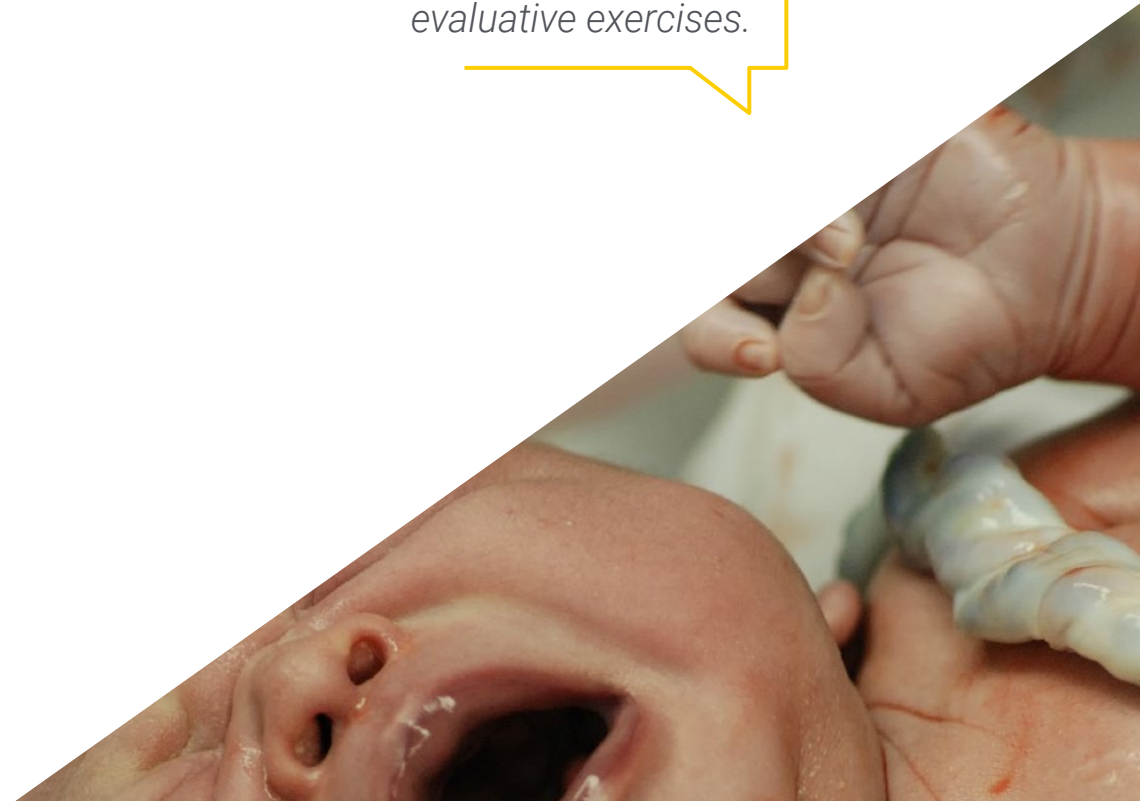
The program’s teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 academic year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Detect the updated techniques for managing pain through the Postgraduate Certificate in Obstetric Emergencies in Natural Childbirth.*

*Stay updated through cutting-edge educational formats such as video, interactive summaries, or evaluative exercises.*



# 02

## Objectives

The design of this Postgraduate Certificate has been carried out with the premise of providing students with the most recent advances in the management of Obstetric Emergencies in Natural Childbirth. Throughout this academic experience, you will be able to delve into the innovative management of a ruptured bag of waters or strategies for monitoring complicated childbirth. This learning will be accomplished in just 6 weeks, while enjoying the best educational methodology in the pedagogical landscape.





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*Delve into the sophisticated procedures for managing a ruptured bag of waters through this certificate”*



## General Objectives

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- ♦ Acquire fundamental knowledge about the physiology of Natural Childbirth, ancient cultural practices, and the emotional needs of women during childbirth, as well as the implications of medical interventions
- ♦ Acquire essential skills and knowledge for the care of pregnant women and their fetuses, including promoting healthy pregnancies and identifying potential complications
- ♦ Acquire fundamental knowledge and skills in the diagnosis, management, and prevention of childbirth emergencies, with a focus on interprofessional collaboration and patient rights advocacy
- ♦ Acquire fundamental knowledge and skills in the assessment, diagnosis, and management of neonatal emergencies, with an emphasis on early problem recognition and the application of appropriate interventions
- ♦ Emphasize fundamental knowledge about the neuroscience of pregnancy, motherhood, and perinatal care, as well as the scientific evidence related to Natural Childbirth and evidence-based care practices
- ♦ Acquire fundamental knowledge about home births, including team management and organization, pregnancy, childbirth, and postpartum preparation and support, as well as the identification and management of special situations and home obstetric emergencies
- ♦ Acquire fundamental knowledge about Natural Childbirth units, such as birthing centers and hospital units, and develop skills to assess, plan, and manage these environments, ensuring a high level of care and satisfaction for women and their families
- ♦ Acquire fundamental knowledge and practical skills in newborn care, as well as the ability to provide comprehensive and safe care in this critical stage of life and collaborate with other health professionals and families to ensure the well-being of the newborn





- ◆ Acquire knowledge about the physical and emotional needs of the mother during the perinatal period
- ◆ Develop skills to provide emotional support and comprehensive care to the mother during the postpartum period, including difficult and emotionally intense situations
- ◆ Promote the prevention and care of maternal mental health during the perinatal period, including the detection and treatment of mood disorders and addressing obstetric trauma and obstetric violence
- ◆ Analyze the stages of labor and pain management and relaxation techniques
- ◆ Develop skills in creating and monitoring personalized birth plans
- ◆ Examine the importance of interdisciplinary collaboration in childbirth care
- ◆ Promote emotional preparation and support for women and their families during the childbirth process
- ◆ Acquire skills to identify and manage high-risk situations in pregnancy and childbirth



## Specific Objectives

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- Identify signs and symptoms of ruptured membranes, diagnose and manage their impact on labor and postpartum
- Thoroughly analyze the reasons, methods, risks, and benefits of induced labor, as well as its monitoring and follow-up
- Examine in-depth the causes, risk factors, effects, and interventions in prolonged labor, and how to prevent and plan for such cases
- Identify risk factors, recognize and diagnose shoulder dystocia, apply resolution maneuvers and techniques, and manage their complications and follow-up
- Thoroughly analyze indications, types of instruments, procedures, and techniques in instrumental delivery, as well as their risks, benefits, and considerations
- Identify indications and types of cesarean sections, analyze the process and recovery, and address risks, benefits, and the planning of elective cesareans
- Evaluate and monitor complicated deliveries, apply interventions, manage pain, work as a team, and provide emotional and psychological support
- Understand the patient in complicated deliveries, including the right to information, consent, privacy, decision-making, and dignified treatment
- Develop effective communication skills in complicated deliveries, including active listening, empathy, clear and assertive communication, conflict management, and negotiation
- Delve into the process of informed consent and shared decision-making in complicated deliveries, including documentation and consent recording





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*Follow the objectives that TECH has designed for this certificate and be at the forefront of the management of Obstetric Emergencies in Natural Childbirth”*

03

# Course Management

Thanks to TECH's unwavering commitment to raising the academic standards of its programs, an outstanding group of experts in Natural Childbirth has been selected to lead and teach this certificate. These professionals have built excellent medical careers in renowned hospitals throughout Spain, ensuring the quality of knowledge provided to the students.





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*This teaching staff consists of active professionals in the field of Natural Childbirth to provide you with the most up-to-date educational content on the subject”*

## Management



### Dr. Santos Leal, Emilio

- Medical Director of the International Medical Technology Center
- Specialist Doctor at Fundación Alcorcón University Hospital
- Doctor Specialist at the General University Hospital Consortium of Valencia
- Specialist at Pius Hospital in Valls
- Medical Specialist at Perpetuo Socorro Clinic
- Specialization in Gynecology and Obstetrics from San Carlos Clinical Hospital
- Graduate in Medicine and Surgery from the University of Cantabria





# 04

## Structure and Content

The syllabus of this program has been designed with the Intention of providing students with the most Relevance and up-to-date contents in the field of managing Emergencies Obstetric in Natural Childbirth. The educational resources available to you throughout this certificate come in a variety of formats, including supplementary readings, interactive summaries, and explanatory videos. In this way, and through a 100% online methodology, you will acquire engaging and personalized learning.





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*This Postgraduate Certificate follows a 100% online methodology that enables you to study without sacrificing your personal and professional commitments”*

## Module 1. Emergencies in Natural Childbirth

- 1.1. Ruptured membrane
  - 1.1.1. Signs and Symptoms
  - 1.1.2. Risk Factors
  - 1.1.3. Diagnosis and Management
  - 1.1.4. Impact on childbirth and postpartum
- 1.2. Induced labor
  - 1.2.1. Reasons for Induction
  - 1.2.2. Induction methods
  - 1.2.3. Risks and Benefits
  - 1.2.4. Monitoring and follow-up
- 1.3. Extended Labor
  - 1.3.1. Causes and Risk Factors
  - 1.3.2. Effects on the Mother and the Baby
  - 1.3.3. Interventions and Management
  - 1.3.4. Prevention and Planning
- 1.4. Shoulder Dystocia
  - 1.4.1. Risk Factors and Prevention
  - 1.4.2. Recognition and Diagnosis
  - 1.4.3. Resolution Maneuvers and Techniques
  - 1.4.4. Complications and Follow-up
- 1.5. Complications and Follow-up
  - 1.5.1. Indications and Types of Instruments
  - 1.5.2. Procedures and Techniques
  - 1.5.3. Risks and Benefits
  - 1.5.4. Ethical Considerations
- 1.6. Cesarean Section
  - 1.6.1. Indications and Types of Cesarean Sections
  - 1.6.2. Process and Recovery
  - 1.6.3. Risks and Benefits
  - 1.6.4. Elective Cesareans and Planning





- 1.7. Management of Complicated Childbirth
  - 1.7.1. Assessment and Monitoring
  - 1.7.2. Interventions and Pain Management
  - 1.7.3. Teamwork and Staff Roles
  - 1.7.4. Emotional and Psychological Support
- 1.8. Patient in Complicated Childbirth
  - 1.8.1. Information and Consent
  - 1.8.2. Privacy and Confidentiality
  - 1.8.3. Decision-Making and Participation
  - 1.8.4. Respect and Dignified Treatment
- 1.9. Effective Communication in Complicated Childbirth
  - 1.9.1. Active Listening and Empathy
  - 1.9.2. Clear and Assertive Communication
  - 1.9.3. Conflict Management and Negotiation
  - 1.9.4. Communication Tools for Professionals and Patients
- 1.10. Informed Consent and Decision-Making in Complicated Childbirth
  - 1.10.1. Adequate and Understandable Information
  - 1.10.2. Risks, Benefits, and Alternatives
  - 1.10.3. Shared Decision-Making Process
  - 1.10.4. Documentation and Record of Consent



*Enroll in this program and learn in a way that is adapted to your educational needs, choosing your preferred educational formats for study”*

# 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 we use the Case Method

What should a professional do in a given situation? 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. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning 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, trying to recreate the real conditions in the physician's professional 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. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate 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.



## 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 the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving 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, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. 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 highly 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.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and 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 the videos as many times as you like.



#### 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 on the usefulness of learning by observing experts. The system known as 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 Emergencies Obstetrics in Natural Childbirth guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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*Successfully complete this program  
and receive your university qualification  
without having to travel or fill out  
laborious paperwork"*

This **Postgraduate Certificate in Emergencies Obstetrics in Natural Childbirth** contains the most complete and up-to-date scientific on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Emergencies Obstetric in Natural Childbirth**

Official N° of Hours: **150 h.**



\*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



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