

# Postgraduate Certificate

## Cardiopulmonary Resuscitation in Pregnancy for Midwives



## Postgraduate Certificate Cardiopulmonary Resuscitation 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/cardiopulmonary-resuscitation-pregnancy-midwives](http://www.techtute.com/us/nursing/postgraduate-certificate/cardiopulmonary-resuscitation-pregnancy-midwives)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

Previous pathologies suffered by the pregnant woman can be a serious complication during pregnancy, since the inherent instability of pregnancy has a direct impact on these conditions. The effort made during childbirth and the postpartum period can eventually lead to cardiac arrest, so the midwife must update her knowledge of CPR adapted to the specificities of pregnancy, as well as post-resuscitation care and special situations in neonatal CPR. The course of this Postgraduate Certificate focuses on the most important advances in Cardiopulmonary Resuscitation, especially focused on obstetric practice. Its completely online format makes it adaptable to all kinds of professional or personal responsibilities.





“

*Get updated with recent advances in advanced CPR in pregnant women, perimortem cesarean section and current clinical guidelines for neonatal CPR”*

Although they are not frequent situations in Obstetrics, the midwives must be prepared to deal with cardiorespiratory arrest, since the well-being of both the pregnant woman and the newborn depends on their agility and professional praxis. An extensive and exhaustive knowledge of the causes that lead to this situation can make a crucial difference in anticipating and treating them early.

Nor should it be forgotten that attention should be focused on the mother-fetus binomial, since a complicated delivery can lead to the need to resuscitate a newborn. Neonatal resuscitation techniques are constantly being updated, so the midwives must be up to date with the latest developments and procedures.

This program makes this task possible, with a highly qualified teaching team with proven experience in the area of Obstetric Emergencies. Its 100% online format makes it possible to combine it with the most demanding professional activity without having to sacrifice any aspect of the midwives' personal life.

This **Postgraduate Certificate in Cardiopulmonary Resuscitation in Pregnancy 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 Obstetric and Neonatal Emergencies
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those 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



*Get up to date with the most important developments in post-resuscitation care for both the pregnant woman and the neonate"*

“

*Access a library of high quality multimedia content, developed by the teaching staff themselves and with a clearly practical approach"*

The program includes, in its teaching staff, professionals from the sector who contribute to this training with their work experience, as well as renowned specialists from reference 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.

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

*Enroll in the largest online academic institution in the world, with the most advanced educational resources to update you in everything related to Cardiopulmonary Resuscitation in Pregnancy.*

*Lean on a teaching team made up of great professionals who understand your goals and aspirations in Obstetric Emergencies.*



02

# Objectives

Given that advances in Cardiopulmonary Resuscitation drive midwives to continually update their knowledge, this TECH Postgraduate Certificate provides an in-depth study of those aspects and special situations that the midwives must update most urgently. Thanks to the advanced teaching methodology of this program, you will be able to incorporate current treatments and diagnoses into your daily practice almost immediately.





“

*You will be able to overcome your professional updating objectives in a comfortable and agile way, with a specialized syllabus that will exceed your highest expectations”*



## General Objectives

---

- ◆ Detect the different obstetric emergencies during pregnancy, delivery and postpartum as early as possible in order to apply the latest treatments and achieve a satisfactory obstetric outcome, thereby reducing maternal-fetal morbidity and mortality
- ◆ 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



*You will perfect your methodology and approach to cardiorespiratory arrest in pregnant women and neonates, taking advantage of the most effective clinical practice"*





## Specific Objectives

---

- ◆ Recognize and initiate early management of disorders that promote cardiac arrest
- ◆ Demonstrate ability to apply basic life support
- ◆ Recognize and manage respiratory arrest of CPR until its completion or transfer of patient care
- ◆ Recognize the importance of team dynamics in overall performance
- ◆ Recognize and initiate the timely management of neonatal CPR until its completion or the transfer of patient care

03

# Course Management

The entire teaching team in charge of this Postgraduate Certificate has developed its professional career in prestigious Obstetrics services, knowing first hand the most urgent reality of delicate situations such as cardiorespiratory arrest. This has allowed them to develop a complete syllabus adapted to the most urgent clinical practice, being particularly useful the contextualization made throughout the program.



“

*You will be able to communicate directly with the teachers, solving all your doubts and concerns about Cardiopulmonary Resuscitation in Pregnancy"*

## 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

---

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



### Ms. Muñoz Serrano, María del Carmen

- Midwife at the University Hospital del Sureste and Hospital HLA Moncloa, Madrid
- Midwife at the Infanta Sofia University Hospital, Madrid
- Graduate in Nursing, University of Granada, Spain
- Obstetrical-Gynecological EIR at the Gregorio Marañón University General Hospital, Madrid
- Professional Master's Degree in Integration of Care and Clinical Problem Solving in Nursing, University of Alcalá de Henares, Madrid
- Postgraduate Diploma in Gynecological, Obstetric and Neonatal Emergencies by the Catholic University of Avila





## Professors

### Ms. De Santiago Ochoa, Sofía

- ◆ Nurse of the Nephrology and Dialysis Unit at the Gregorio Marañón University Hospital
- ◆ Midwife at Gregorio Marañón University Hospital
- ◆ Midwife at the Entrevías, Jose María Llanos, Moratalaz and Buenos Aires Health Centers
- ◆ Midwife in the Delivery, Emergency and High-Risk Hospitalization Service at the Gregorio Marañón University Hospital
- ◆ Postgraduate Diploma in Family and Community Nursing by the University of Alcalá
- ◆ Postgraduate Diploma in Assisted Reproduction Nursing at Universidad Rey Juan Carlos University
- ◆ Postgraduate Diploma in Emergency Care and Out-of-hospital Emergencies, Complutense University of Madrid
- ◆ Postgraduate Diploma in Critical Care by the Complutense University of Madrid
- ◆ Diploma in Nursing from the Autonomous University of Madrid

“

*A unique, key, and decisive training experience to boost your professional development”*

# 04

## Structure and Content

To ensure a reduced teaching load for the midwives, TECH has incorporated the Relearning pedagogical methodology in this program. This means that the most important concepts related to Cardiopulmonary Resuscitation are reiterated throughout the program, resulting in a more progressive and natural update. Numerous supporting resources, such as summaries and self-awareness exercises, also contribute to saving the nurses numerous hours of study time, resulting in an efficient and comprehensive process.

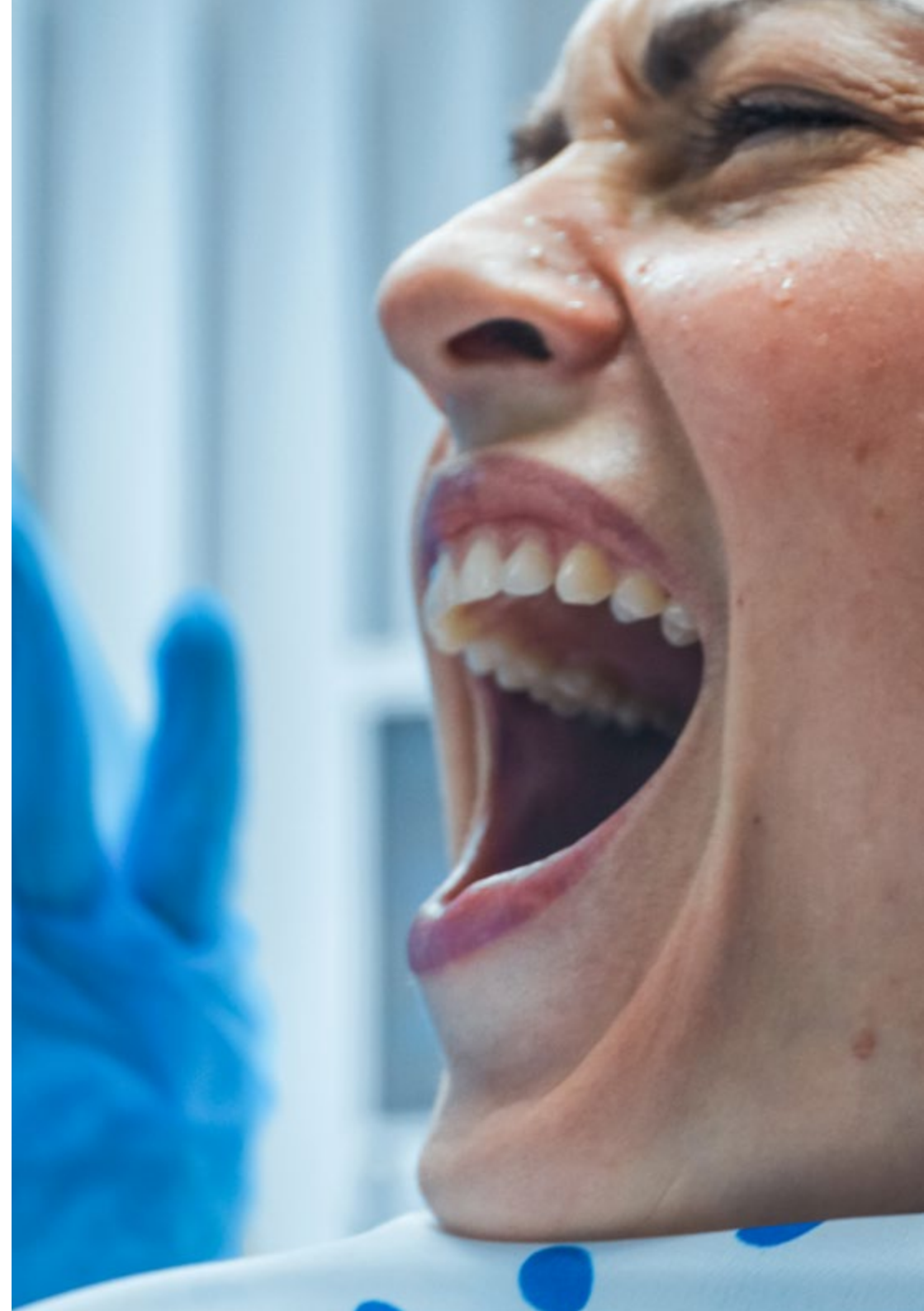


“

*You will find a wealth of high quality multimedia resources, with video detail and real case studies compiled by the teachers themselves”*

## Module 1. Cardiopulmonary Resuscitation

- 1.1. Cardiopulmonary Resuscitation (RCP) for Pregnant Women
  - 1.1.1. Etiology of Cardiorespiratory Arrest (CRA)
  - 1.1.2. Incidence
  - 1.1.3. Survival
  - 1.1.4. Risk Factors
- 1.2. Basic CPR for Pregnant Women
  - 1.2.1. Situation Assessment
  - 1.2.2. Basic CPR Algorithm
  - 1.2.3. Changes to CPR for Pregnant Women
- 1.3. Advanced CPR for Pregnant Women
  - 1.3.1. ADVANCED CPR Algorithm
- 1.4. Trauma in Pregnant Woman and Perimortem Caesarean Section
  - 1.4.1. Gravdic Modifications
  - 1.4.2. Trauma Management for Pregnant Women
  - 1.4.3. Perimortem Cesarean Section
- 1.5. Neonatal Resuscitation
  - 1.5.1. Adaptation to Extrauterine Life
  - 1.5.2. Incidence
  - 1.5.3. Anticipation and Team Preparation
  - 1.5.4. Maternal and Neonatal Risk Factors
- 1.6. First Steps in Neonatal Resuscitation
  - 1.6.1. Initial Assessment
  - 1.6.2. Initial Stabilization
  - 1.6.3. Routine Care
  - 1.6.4. Cord Clamping
- 1.7. Algorithms for CPR in Pregnant Women: Current Clinical Guidelines:
  - 1.7.1. Evaluation after First Steps
  - 1.7.2. Respiratory Support
  - 1.7.3. Circulatory Support
  - 1.7.4. Medication in Resuscitation



- 1.8. Special Situations in Neonatal CPR: Intrapartum Meconium and Prematurity
  - 1.8.1. Meconium
  - 1.8.2. The Premature Newborn
  - 1.8.3. Newborn < 32 weeks
- 1.9. Other Special Situations in Neonatal CPR
  - 1.9.1. Pneumothorax
  - 1.9.2. Congenital Diaphragmatic Hernia (CDH)
  - 1.9.3. Fetal Hydrops
  - 1.9.4. Choanal Atresia
  - 1.9.5. Pierre-Robin Sequence
  - 1.9.6. Prenatal Diagnostic Upper Area Pathway Involvement: EXIT Technique
- 1.10. Post-Resuscitation Care
  - 1.10.1. Post-Resuscitation Care for Pregnant Women
  - 1.10.2. Post-Resuscitation Care of the Neonate
  - 1.10.3. Maternal Intercenter Transport
  - 1.10.4. Neonatal Intercenter Transport



*You will have access to the virtual classroom 24 hours a day, being able to download all the content to your favorite device"*



# 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.





“

*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. 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:

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 Cardiopulmonary Resuscitation 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.



“

*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 Cardiopulmonary Resuscitation 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 Cardiopulmonary Resuscitation 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.





**Postgraduate Certificate**  
Cardiopulmonary Resuscitation  
in Pregnancy for Midwives

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

# Postgraduate Certificate

## Cardiopulmonary Resuscitation in Pregnancy for Midwives