

# Postgraduate Certificate Neonatal Emergencies for Nursing





## Postgraduate Certificate Neonatal Emergencies for Nursing

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

Website: [www.techtitute.com/in/nursing/postgraduate-certificate/neonatal-emergencies-nursing](http://www.techtitute.com/in/nursing/postgraduate-certificate/neonatal-emergencies-nursing)

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# 01

# Introduction

The first days of a neonate's life are key. There may be neurological complications, metabolic alterations, congenital heart disease or other adversities for which the nurse must be prepared, as many of them are referred directly to the neonatology service. Since this area covers a considerable field of pathologies, it is important to keep an updated knowledge level, as advances and developments are constant. Therefore, this postgraduate certificate offers a preferential academic option to deepen and modernize the area of Neonatal Emergencies. With a flexible and convenient format, nurses will be able to combine it perfectly with the most demanding professional activity.



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*Incorporate into your daily practice the most important advances in intrapartum asphyxia, surgical emergencies and Rh isoimmunization in Neonatal Emergencies"*

From an exhaustive analysis of prematurity to different pathologies that can derive from it, nurses must have a series of advanced knowledge in this area, since it falls within their competence to care for the healthy infant up to 28 days of life. During this particularly fragile period for neonates, interventions must be rapid and precise in the event of various complications.

This is precisely where the improvement of nurses' competencies and level of updating comes into play. This TECH postgraduate certificate focuses on the most important areas of action in Neonatal Emergencies, bringing together the most important advances made in recent years.

In addition, the Postgraduate Certificate teaching staff, composed of professionals with vast experience in the field, have compiled the most effective clinical practice. This way, nurses have access to both most recent scientific postulates and necessary and current practical vision in the most demanding Neonatal Emergency Departments.

All of this, favored by a completely online format, with no fixed schedules or in-person classes. Midwife herself is the one who distributes her own study time, being able to download the entire syllabus from the first day

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

- ♦ Development of case studies presented by experts in Obstetric and Neonatal Emergencies
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on disciplines that are essential for professional practice
- ♦ Practical exercises where self-assessment process can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions for experts, discussion forums on controversial issues and individual reflection work
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*Access high quality learning material, packed with multimedia resources and complementary readings to further expand on each discussed topic"*

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*Get updated with a Syllabus created by professionals who know the area of Neonatal Emergencies first hand, giving you a practical perspective necessary for all scientific theory covered"*

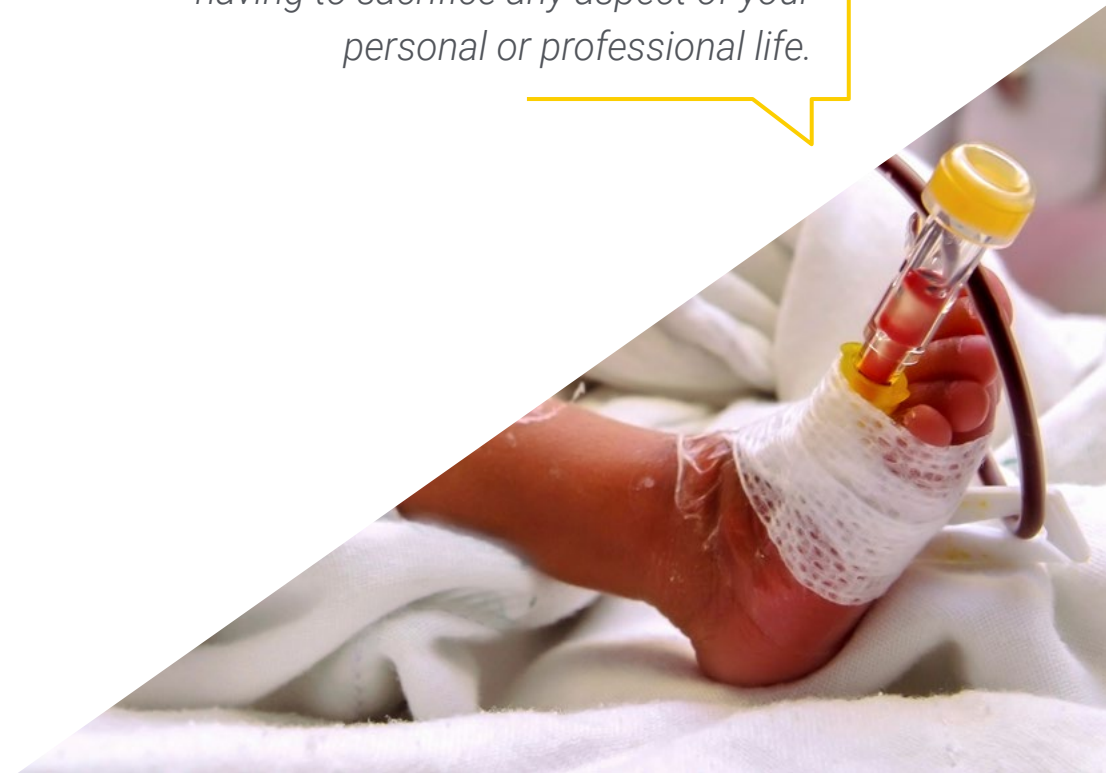
The program's teaching staff includes professionals from the sector who bring to this program their work experience, as well as renowned specialists from reference societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will allow professionals to learn in a contextual and situated learning environment, meaning a simulated environment that will provide immersive education programmed to prepare them for real situations.

The design of this program focuses on Problem-Based Learning, by means of which professionals must try to solve the different professional practice situations that arise during the academic program For this purpose, it will be supported by an innovative system of interactive videos produced by renowned experts.

*It deepens and modernizes in necessary keys regarding neurological problems in neonates, metabolic disorders and metabolic inborn errors.*

*You decide when, where and how to take on the full course load, without having to sacrifice any aspect of your personal or professional life.*



# 02

# Objectives

Since a newborn's first 28 days are a direct competence within nurses' competencies, it is urgent to emphasize that it is important for nurses to have all the necessary knowledge to act quickly in possible emergencies. This program focuses on the most common pathologies and alterations in neonates, as well as on advances made in the most urgent areas of this field, in order to offer a useful and exhaustive compendium to nurses who are looking for a very specific update.





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*Join the largest online academic institution in the world, with a technical and teaching team committed to helping you achieve your professional development goals”*



## General Objectives

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- ♦ To detect the different obstetric emergencies during pregnancy, delivery and puerperium as early as possible in order to apply the latest treatments and achieve a satisfactory obstetric outcome, thereby reducing maternal-fetal morbidity and mortality
- ♦ To be able to provide specialist care for each urgent obstetric pathology
- ♦ To acquire skills for emergency neonatal care when the obstetric pathology involves mother and fetus





## Specific Objectives

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- To recognize and initiate timely management of urgent situations that may occur during the neonatal period
- To demonstrate midwifery skills to deal with these situations



*You will refine your approach methods in Neonatal Emergencies with advances and developments you will deepen throughout the program"*

03

# Course Management

The teaching team in charge of this university program brings together key experience in the Neonatal Emergencies field. This provides greater depth and contextualization to all didactic materials written, since not only the most recent scientific theories are provided, but also real clinical cases and successful approaches contrasted in the most prestigious Neonatal Emergency Departments.





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*You will have personalized tutoring throughout the program, and you will be able to ask all your questions directly to the teaching staff”*

## 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
- ♦ EIR Anesthesiology 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
- ♦ University Expert in Gynecologic, Obstetric and Neonatal Emergencies at the Catholic University of Avila



## Professors

### Ms. Durán Sierra, Sonia

- ◆ Midwife at the Ortigueira Health Center, in A Coruña, Spain
- ◆ Midwife in various health centers in Ferrol
- ◆ Midwife at the Entrevías Health Center
- ◆ Degree in Nursing from A Coruña University
- ◆ EIR in Obstetrics and Gynecology , Gregorio Marañón University Hospital
- ◆ University Expert for Midwives in Gynecologic, Obstetric and Neonatal Emergencies at the Catholic University of Avila

04

# Structure and Content

This Postgraduate Certificate has been structured in such a way that all its contents are presented in an orderly, concise and precise manner. Therefore, this has an impact on the usefulness of didactic material itself as an advanced reference source, even after the Certificate ends. The high quality of audiovisual content, provided in the form of detailed lessons and didactic summaries, is a great advantage for nurses, who will have several ways to study in order to update all their knowledge.







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*Each topic covered throughout the program contains numerous audiovisual resources and self-awareness exercises that will greatly help you to reduce your teaching load"*

## Module 1. Neonatal Emergencies

- 1.1. Rh Isoimmunization
  - 1.1.1. Etiology and Risk Factors
  - 1.1.2. Diagnosis
  - 1.1.3. Effects on the Fetus
  - 1.1.4. Importance of Prevention in Obstetric Emergencies
- 1.2. Neonatal Infection
- 1.3. Surgical Emergencies
  - 1.3.1. Traumatology
  - 1.3.2. Digestive: Esophageal Atresia
  - 1.3.3. Umbilical
  - 1.3.4. Urogenital
  - 1.3.5. Neurological: Neural Tube Defects, Hydrocephalus
  - 1.3.6. Diaphragmatic Hernia
- 1.4. Neurological Problems
  - 1.4.1. Seizures
  - 1.4.2. Intrapartum Asphyxia: Hypoxic-Ischemic Encephalopathy
- 1.5. Metabolic Alterations
  - 1.5.1. Hyperglycemia
  - 1.5.2. Hypoglycemia
- 1.6. Congenital Metabolic Errors
- 1.7. Anaemia. Polycythemia. Hyperbilirubinemia
- 1.8. Congenital Heart Disease
- 1.9. Respiratory Pathology
- 1.10. Prematurity





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*The virtual classroom will be available 24 hours a day, and you can access it from the comfort of your smartphone, tablet or computer of choice”*

# 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. 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.

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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 Neonatal Emergencies for Nursing 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 certificate without having to travel or fill out laborious paperwork”*

This **Postgraduate Certificate in Neonatal Emergencies for Nursing** 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 Neonatal Emergencies for Nursing**

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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