

# Postgraduate Certificate Neonatal Resuscitation for Nurses





## Postgraduate Certificate Neonatal Resuscitation for Nurses

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 5 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/nursing/postgraduate-certificate/neonatal-resuscitation-nurses](http://www.techtute.com/us/nursing/postgraduate-certificate/neonatal-resuscitation-nurses)

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# 01

# Introduction

Neonatology is one of the most complex areas of pediatrics, and requires highly specialized professionals to properly care for the newborn patient. For this reason, constant updating of knowledge is essential for the development of the professional. This Postgraduate Certificate is designed to update the techniques of cardiopulmonary resuscitation and life support in the critically ill neonatal patient.

*The role of the nursing professional is key in the maintenance of life support in the neonatal patient.*



A close-up photograph of a newborn baby's face, showing the eye, nose, and mouth. The baby's hand is visible near the mouth. The image is partially obscured by a diagonal teal and white graphic overlay.

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*With the Postgraduate Certificate in Neonatal Resuscitation for Nurses you have the opportunity to update your knowledge in a practical way and without sacrificing the maximum scientific rigor, to incorporate the latest advances in critical nursing care of the newborn"*

Neonatology is a discipline in constant evolution, which is highly dependent on technology and new pharmacological treatments. This context makes the updating of procedures in neonatal critical care, both those performed in the Neonatal ICU and in other care settings outside the ICU (emergency units, primary care centers...), of paramount importance to maintain the provision of care based on the latest scientific evidence and to ensure the safety of the baby.

This course includes cardiopulmonary resuscitation techniques and life support in the neonatal patient, as well as the most relevant topics about the admission of the newborn and the organization of a neonatology service, and the approach to the most serious situations in the critical patient, such as cardiac disorders or neonatal shock.

This Postgraduate Certificate in Neonatal Resuscitation is oriented towards facilitating the updating of the most commonly used procedures, in a practical way, to contribute with quality and safety to the recovery of neonates, improve their prognosis and avoid the sequelae of severe pathology.

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

- ◆ Development of clinical cases presented by experts in the different specialties. The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional.
- ◆ New developments in nursing care for the critically ill newborn patient
- ◆ Cardiopulmonary resuscitation techniques based on the latest international recommendations.
- ◆ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ◆ All of this will be complemented by 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



*Improve the care of your newborn patients with the training offered by the Postgraduate Certificate in Neonatal Resuscitation for Nurses”*

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*This Postgraduate Certificate may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in neonatal resuscitation, you will obtain a Postgraduate Certificate Degree. by TECH Global University"*

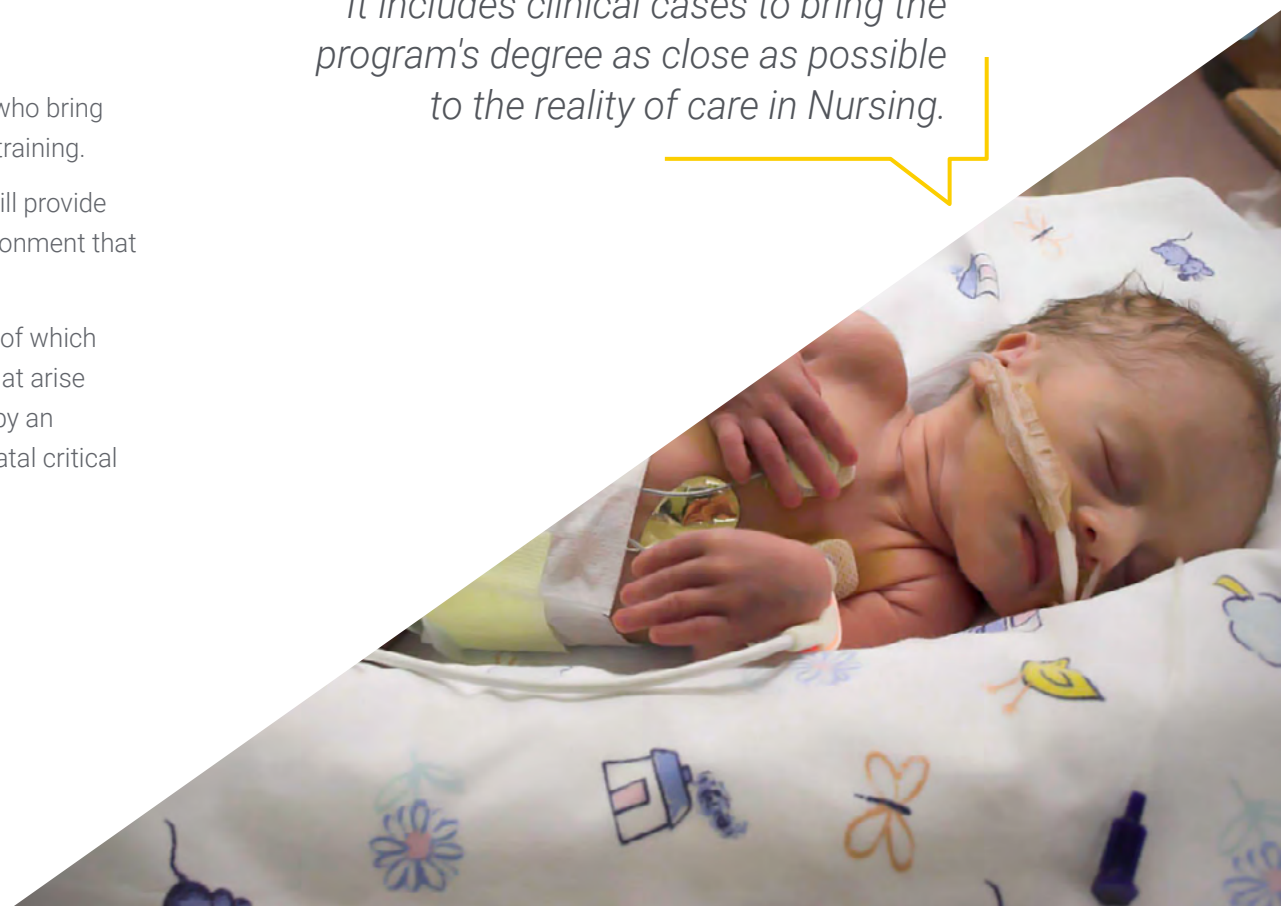
Its teaching staff includes renowned specialists in the field of neonatology, who bring the experience of their work in the country's leading medical centres to this training.

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 an immersive training program to train in real situations.

The design of this program is based on Problem-Based Learning, by means of which the nursing professional must try to solve the different practice situations that arise throughout the program. For this purpose, the professional will be assisted by an innovative interactive video system developed by renowned experts in neonatal critical patient care and with extensive teaching experience.

*This Postgraduate Certificate offers training in simulated environments, which provides an immersive learning experience designed to train for real-life situations.*

*It includes clinical cases to bring the program's degree as close as possible to the reality of care in Nursing.*



# 02 Objectives

This **Postgraduate Certificate** is oriented to achieve an effective update of the nursing professional's knowledge and procedures for the newborn, in order to provide quality care, based on the latest scientific evidence that guarantees patient safety.







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*This refresher program will generate a sense of security when providing neonatal care, which will help you grow both personally and professionally”*



## General Objective

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- ♦ Update the nursing professional in cardiopulmonary resuscitation and life support techniques in the neonate, based on the recommendations of the main international scientific institutions, as well as to determine the procedures for admission of the newborn to the neonatal care hospital unit.



## Specific Objectives

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- ♦ Update nursing care oriented to the satisfaction of the needs derived from the newborn's health problems and the prevention of complications, guaranteeing a safe and quality practice.
- ♦ Analyze the importance of providing comprehensive care to the newborn from an ethical and legal perspective.
- ♦ Update the procedures, diagnostic tests and treatments derived from the different health problems in the newborn taking into account the different levels of care.
- ♦ Update the integral care of the neonate with a surgical process to help in the optimal restoration of health and identify, intervene and/or refer for possible complications.
- ♦ Review the indication of medical devices and/or drugs, evaluating the expected benefits and associated risks.
- ♦ Develop the ability to apply theoretical knowledge in daily practice.
- ♦ Train the student in the management of nursing care aimed at satisfying the needs derived from the newborn's health problems and the prevention of complications, guaranteeing a safe and quality practice.
- ♦ Update comprehensive newborn care from an ethical and legal perspective.



- ♦ Assess the skillful, effective and efficient performance of the different procedures, diagnostic tests and treatments derived from the different health problems in the newborn, taking into account the different levels of care.
- ♦ Assess and provide comprehensive care to the neonate with a surgical process to assist in the optimal restoration of health and identify, intervene and/or refer for possible complications.
- ♦ Familiarize the student with the use and indication of medical devices and/or drugs, assessing the expected benefits and associated risks.
- ♦ Develop the student's ability to apply theoretical knowledge in daily practice.
- ♦ Know the differences between the neonate, the child and the adolescent (pediatric ages).
- ♦ Differentiate between the different neonatal stages, as well as neonatal stages by gestational age and neonatal stages by birth weight.
- ♦ Review the anatomical and physiological characteristics of the normal newborn.
- ♦ Describe the somatometry of the newborn, as well as its morphological and physiological characteristics.
- ♦ Assess the complete examination, sequence of physical examination and complete physical examination of the newborn, focusing primarily on the head and neck region, trunk region and extremities region.
- ♦ Update procedures for performing a complete neurological examination of the neonate.
- ♦ Evaluate how a neonatology service is structured and organized, as well as its location, the necessary equipment and materials, and the necessary human resources.
- ♦ Describe the characteristics of the neonatal intensive care unit (NICU), and calculate the layout of the cribs, the necessary physical space, equipment and materials, and adequate human resources.
- ♦ Define the profiles and positions of the "nursing team" as well as its operating system: "Primary Nursing" (Head Nurse)
- ♦ Update the procedures for neonatal resuscitation, assessing neonatal risk factors, as well as general measures in the moments prior to delivery.
- ♦ Record how a resuscitation team is formed, as well as the equipment necessary to perform neonatal resuscitation.
- ♦ Review resuscitation procedures
- ♦ Describe and explain respiratory support modalities.
- ♦ Update cardiac massage technique
- ♦ Review medication administration procedures in neonatology.
- ♦ Assess the action in a neonatal cardiorespiratory arrest.
- ♦ Detect special resuscitation situations, as well as the basic principles of successful resuscitation.
- ♦ Assess possible complications that may arise during neonatal resuscitation.

03

# Course Management

This program includes in its teaching staff renowned nursing professionals from neonatal intensive care units, who develop their clinical practice in major hospitals, and who bring the experience of their work to this training. In addition, medical specialists who are members of national and international scientific societies participate in its design and development, complementing the teaching staff in an interdisciplinary manner.





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*Learn from leading professionals  
the latest advances in neonatal  
cardiopulmonary resuscitation”*

## International Guest Director

Dr. Roxana Diehl is a leading neonatologist of international renown, who has held high positions of great responsibility, such as Deputy Director of the Neonatal Intensive Care Unit (NICU) at the Lyon University Hospital in France. Indeed, this expert has been a key player in the field of Neonatology, with a solid academic training and an exemplary professional career, contributing significantly in the clinical field.

Throughout her career, she has held several relevant positions in prestigious institutions. For example, she has served as a Hospital Physician in Neonatology, also at the University Hospital of Lyon, also excelling during her Fellowship in Neonatology, at the Saint-Étienne Nord Hospital, where she has been recognized for her dedication to intensive neonatal care. In addition to this, she has experience as a pediatrician at the Marie Curie Hospital in Bucharest, Romania.

In addition to her clinical practice, Dr. Roxana Diehl has been an influential figure in the development of policies and protocols within the NICU. As a referring physician in the Prenatal Diagnostic Center and a member of the Ethics Committee, she has played a crucial role in making complex medical decisions and promoting ethical standards in neonatal care. Likewise, her commitment to the continuous improvement of medical care has led her to actively participate in innovative projects, including her role as referring physician for the Mobile Neonatal Unit.

Additionally, her academic merits have been equally impressive, having earned multiple university degrees in specialized areas such as Neonatal Developmental Care, Fetal Medicine and Psychoperinatal Care. These academic achievements, coupled with her clinical experience, have established her as an expert in her field, capable of influencing and improving neonatal practices globally.



## Dra. Roxana Diehl

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- Deputy Director of Neonatal Intensive Care, Lyon University Hospital, France
- Hospital Physician in Neonatology, NICU, Lyon University Hospital, France
- Fellowship in Neonatology at the Hôpital Saint-Étienne Nord, France
- Pediatrician at Marie Curie Hospital in Bucharest, Romania
- University Degree in Neonatal Developmental Care from the University of Lyon
- University Degree in Fetal Medicine, University of Lyon, France
- University Degree in Psychoperinatal Care, University of Montpellier, France
- University Degree in Neonatology from the University of Saint-Étienne
- Residency in Pediatrics from the University of Saint-Étienne

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

## Management



### Dr. López Ruiz, María Amparo

- ♦ Degree in Medicine and Surgery from the University of Valencia
- ♦ Doctor of Medicine "Cum Laude" from the University CEU Cardenal Herrera with the Thesis: "Analysis of medication in pediatric population attending an Emergency Department"
- ♦ Postgraduate in Neonatology: "Care in the Preterm Newborn"
- ♦ University Professor of Nursing, Medicine and Pharmacy. Faculty of Biomedical Sciences. CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ Professor of the online Master in Pediatric Emergencies for Nurses. CEU Cardenal Herrera University -- Health Class
- ♦ Professor of the Professional Master's Degree in Advanced Esthetic and Laser Techniques. CEU Cardenal Herrera University - Moncada (Valencia) and NISA Hospitals Foundation (Valencia)
- ♦ Postgraduate course director: "Diploma in neonatal nursing and neonatal intensive care". CEU Cardenal Herrera University - Moncada (Valencia) and NISA Hospitals Foundation (Valencia)
- ♦ Postgraduate course coordinator: "First Aid, Cardiopulmonary Resuscitation and Emergency Situations Course" CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ Erasmus coordinator for Medicine. CEU Cardenal Herrera University
- ♦ Personal tutor for international medical students. CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ Entrepreneurship tutor for Medicine. CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ Practice coordinator for Medicine. CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ Coordinator for Medicine. CEU Cardenal Herrera University - Moncada (Valencia)
- ♦ NESTLÉ Award for Best Oral Communication, XXIV National Congress of the Spanish Society of Outpatient and Primary Care Pediatrics.



## Professors

### Alfaro Ramírez, Concepción

- ◆ Diploma in Nursing.
- ◆ Pediatric nurse. NICU and PICU.
- ◆ Nursing supervisor. 9 de Octubre NISA Hospital. Valencia

### Dr. Bendala Tufanisco, Elena

- ◆ Degree in Medicine and Surgery
- ◆ Degree in Biology
- ◆ Doctor in Biochemistry and Molecular Biology from the University of Valencia.
- ◆ Professor, Department of Biomedical Sciences, Faculty of Health Sciences, University Cardenal Herrera-CEU.

### Dobón García, Ana María

- ◆ Law Degree
- ◆ Lawyer specializing in Medical and Health Law

### Iranzo Cobo del Cabo, Rosana

- ◆ Degree in Nursing
- ◆ Professor of Nursing Degree at the University Cardenal Herrera CEU.

### Juan Hidalgo, Alicia

- ◆ Degree in Psychology
- ◆ Clinical Psychologist
- ◆ Professor, Faculty of Psychology, University of Valencia.



**Dr. Julve Chover, Natalia**

- ◆ Degree in Medicine and Surgery
- ◆ Doctor of Medicine, University of Valencia
- ◆ Specialist in Child Neurology
- ◆ Associate Doctor of the Pediatrics Service and PICU-Neonatal. NISA
- ◆ Postgraduate in Neonatology

**Dr. López Peña, Rafael**

- ◆ Degree in Medicine and Surgery
- ◆ PhD in Medicine from the University of Valencia
- ◆ Specialist in Pediatrics, Subspecialist in PICU and NICU
- ◆ Postgraduate in Neonatology

**Dr. Moreno, Lucrecia**

- ◆ Degree in Pharmacy
- ◆ Vice-Dean of Pharmacy of the University Cardenal Herrera CEU
- ◆ Doctor in Pharmacy from the University of Valencia.
- ◆ Professor at Cardenal Herrera University CEU

**Dr. Navarro Marí, Rosa María**

- ◆ Degree in Medicine and Surgery
- ◆ Pediatrician.
- ◆ Associate Doctor of the Pediatrics Service and PICU-Neonatal. NISA
- ◆ Postgraduate in Neonatology

**Ribes Roldán, Sandra**

- ◆ Degree in Nursing
- ◆ Nurse in Accident and Emergency department.
- ◆ 9 de Octubre NISA Hospital. Valencia, Spain



**Dr. Rojas Otero, Lucila**

- ◆ Degree in Medicine and Surgery
- ◆ Specialist in Pediatrics, Subspecialist in PICU and NICU
- ◆ Postgraduate in Neonatology

**Roldán del Amo, Adela**

- ◆ Diploma in Nursing.
- ◆ Pediatric nurse. NICU and PICU
- ◆ 9 de Octubre NISA Hospital. Valencia, Spain

**Dr. Sanahuja Santafé, M<sup>a</sup> Amparo**

- ◆ Degree in Pharmacy
- ◆ Professor at the Cardenal Herrera University CEU
- ◆ Doctor in Pharmacy from the University of Valencia.

**Silvestre Castelló, Dolores**

- ◆ Graduate in Chemistry
- ◆ Associate Professor of Nutrition and Bromatology at Cardenal Herrera CEU University.
- ◆ Doctor in Chemical Sciences from the University of Valencia.
- ◆ Graduate in Food Technology ( Superior Council of Scientific Research)
- ◆ Postgraduate Degree in Nutrition, Dietetics and Diet Therapy from the University of Navarra.

**Jesús Martínez Dolz**

- ◆ Degree in Nursing.
- ◆ Expert in neonatal and pediatric nursing care.
- ◆ Assistant Nurse in Pediatric and Neonatal Intensive Care Units in the city of Valencia.
- ◆ Hospital Nisa 9' Octubre, Hospital Virgen del Consuelo, University Hospital Clinic and University Hospital and Polytechnic La Fe.

04

# Structure and Content

The structure of the contents has been designed by a team of professionals who recognise the importance of training for daily nursing practice in the NICU and are aware of the relevance of current training for professionals. This program ensures that the main issues in the current development of critical newborn patients are addressed.





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*This Postgraduate Certificate in Neonatal Resuscitation for Nurses contains the most complete and up to date scientific program on the market"*

### Module 1. Admission of a Newborn in the Neonatal Ward or in the NICU.

- 1.1. Newborn (NB) Reception in the Neonatal Nursery
  - 1.1.1. Admission Criteria
  - 1.1.2. Admission Objectives
  - 1.1.3. Nursing Interventions
  - 1.1.4. Physical Examination of the Newborn
- 1.2. Newborn (NB) Reception in the NICU
  - 1.2.1. Admission Criteria
  - 1.2.2. Admission Objectives
  - 1.2.3. Nursing Interventions
  - 1.2.4. Physical Examination of the Newborn
- 1.3. Neonatal Transport
  - 1.3.1. Transfer of the Expectant Mother
  - 1.3.2. Neonatal Transfer
  - 1.3.3. Neonatal Transport Team
  - 1.3.4. Neonatal Transport Equipment

### Module 2. Neonatal Resuscitation.

- 2.1. Neonatal Resuscitation.
  - 2.1.1. Cardiovascular Risk Factors.
  - 2.1.2. General Procedures in the Moments Prior to Delivery.
- 2.2. Resuscitation Team.
- 2.3. Neonatal Resuscitation Equipment.
- 2.4. Resuscitation Procedures.
- 2.5. Respiratory Assistance Methods.
- 2.6. Cardiac Massage.
- 2.7. Administration of Medication: drugs and fluids.
- 2.8. Neonatal Cardiorespiratory Arrest Care.
- 2.9. Special Situations for Resuscitation.
- 2.10. Basic Principles for a Successful Resuscitation and Possible Complications that Could Arise During the Process.





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

05

# Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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.





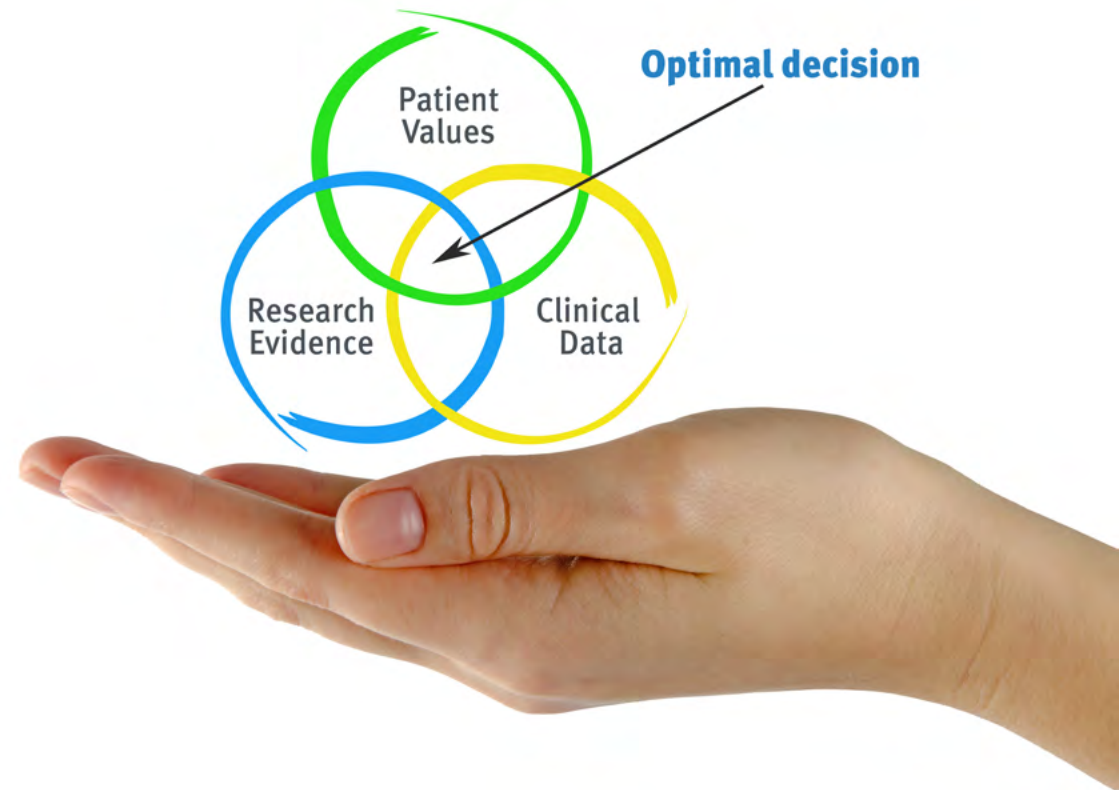
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*Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”*

## At TECH Nursing School we use the Case Method

In a given clinical situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, 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 university program.



## Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 175,000 nurses with unprecedented success, in all specialties regardless of from the workload. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

*Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



### Nursing Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current nursing procedures and techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



### Interactive Summaries

We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



### Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





**Expert-led case studies and case analysis**

Effective learning ought to be contextual. For this reason, we will present you with real case developments in which the expert will guide you through the development of attention and the resolution of different situations: a clear and direct way to achieve the highest degree of understanding.



**Testing & Re-Testing**

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



**Classes**

There is scientific evidence on the usefulness of third-party expert observation. Learning from an expert strengthens knowledge and memory, and generates confidence in our difficult future decisions.



**Quick Action Guides**

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



# 06 Certificate

The **Postgraduate Certificate in Neonatal Resuscitation for Nurses** guarantees you, in addition to the most rigorous and up to date training, access to a Postgraduate Certificate issued by **TECH Global University**.







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*Successfully complete this training and receive your diploma without the hassle of travel or paperwork”*

This private qualification will allow you to obtain a **Postgraduate Certificate in Neonatal Resuscitation for Nurses** 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** private qualification 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 Neonatal Resuscitation for Nurses**

Modality: **online**

Duration: **6 weeks**

Accreditation: **5 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.

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
development language  
classroom



**Postgraduate Certificate**  
Neonatal Resuscitation  
for Nurses

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Accreditation: 5 ECTS
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Certificate Neonatal Resuscitation for Nurses

