

Postgraduate Certificate Neonatal Infections





Postgraduate Certificate Neonatal Infections

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

Website: www.techtute.com/us/medicine/postgraduate-certificate/neonatal-infections

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

Neonatal infections can be caused by pathogens, including bacteria, viruses, fungi and parasites, and can manifest in early or late stages after birth. Therefore, prevention, early detection and timely treatment are essential to reduce the morbidity and mortality associated with neonatal infections. Therefore, professionals should embrace hygiene measures, adequate prenatal care and careful clinical surveillance during the perinatal period. At this juncture, TECH has launched a comprehensive, fully online and highly adaptable program, with content at the reach of an electronic device with an Internet connection, from anywhere and at any time. In addition, is based on the innovative Relearning methodology.



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Thanks to this 100% online Postgraduate Certificate, you will face specific clinical challenges related to neonatal infections, contributing to the well-being and healthy development of neonates”

Neonatal infections can have various causes, including transmission during delivery, exposure to microorganisms in the hospital environment or postnatal acquisition. Therefore, prevention and early treatment are crucial to mitigate the risks associated with these infections, ensuring a healthy development in this crucial stage of life.

This is how this Postgraduate Certificate was born, which will provide a comprehensive understanding of the essential fundamentals of combating nosocomial infections in newborns, focusing on mastering crucial preventive measures. From the detailed analysis of comprehensive approaches to diagnose and treat Neonatal Meningitis, to the evaluation of management strategies for skin infections, the practitioner will address various aspects of infections in this vulnerable group of patients.

Likewise, clinical methods for dealing with Locomotor System infections in neonates will be evaluated, as well as the analysis of structures, diagnostic methods and treatment of neonatal Urinary Tract Infections. In this way, graduates will be provided with the necessary tools to identify and effectively treat these specific medical complications in newborns.

Finally, the course will cover the diagnosis of TORCH complex infections, offering a rigorous approach to understanding and addressing these potentially serious infections, which can affect the development and health of neonates. Furthermore, by integrating both theoretical and practical knowledge, clinicians will be able to provide optimal and specialized care to newborns at risk of neonatal infections.

With this in mind, the program will be perfectly adjusted to the current needs of online specialization, using the educational methodology of Relearning to enhance the efficiency and independence of the students. Thanks to this modality, access to the content will be possible from any location and at any time, providing total flexibility. Therefore, students will have the freedom to manage their academic resources according to their own schedules and needs, which will significantly improve their educational experience.

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

- ♦ The development of case studies presented by experts in Neonatal Infections
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable 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



This program is presented as a comprehensive opportunity for you to acquire specialized knowledge in the management of various pathologies that affect newborns"

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You will address the diagnosis of TORCH complex infections, a set of infectious diseases that can affect the fetus during pregnancy. What are you waiting for to enroll?"

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

You will manage skin infections in newborns, recognizing the importance of the skin as a protective barrier and considering effective methods to preserve its integrity.

You will master the preventive measures to control neonatal nosocomial infections, through the best didactic resources, at the forefront of technology and education.



02

Objectives

The objective of this university program is to provide graduates with specialized and updated knowledge in Neonatology, focused on the diagnosis, treatment and prevention of newborn infections. With a combination of theoretical and practical knowledge, the course will specialize health professionals to identify and address infectious pathologies that may compromise the health and well-being of neonates. In addition, emphasis will be placed on promoting evidence-based practices and the development of clinical and management skills necessary to provide quality care to this vulnerable population.



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The Postgraduate Certificate aims to specialize you in the analysis and approach to specific pathologies, such as Neonatal Meningitis, Cutaneous, Locomotor and Urinary Tract Infections”



General Objectives

- ♦ Understand the key aspects of early neonatal assessment
- ♦ Analyze the anatomic and physiologic conditions of the neonate
- ♦ Master appropriate neonatal admission and transport procedures
- ♦ Determine neonatal resuscitation and thermal management techniques
- ♦ Develop strategies to prevent and treat hypothermia and pain
- ♦ Investigate neonatal respiratory and cardiovascular pathologies
- ♦ Address neurological and metabolic disorders in neonatology
- ♦ Define infections and hematologic disorders in neonatology
- ♦ Evaluate renal and neonatal immunity disorders
- ♦ Apply new technologies to improve neonatal care





Specific Objectives

- ♦ Master preventive measures to control neonatal nosocomial infections
- ♦ Analyze comprehensive approaches to diagnose and treat neonatal meningitis
- ♦ Assess management strategies for skin infections in neonates
- ♦ Evaluate clinical methods for addressing infections of the musculoskeletal system
- ♦ Structure methods of diagnosis and treatment of neonatal urinary tract infections
- ♦ Appropriately address the diagnosis of TORCH complex infections



You will be prepared to contribute to the well-being and healthy development of newborns, as well as address the clinical challenges of neonatal infections in the healthcare setting”

03

Course Management

The faculty is composed of highly qualified and experienced professionals in the field of Neonatal Medicine and Microbiology. In fact, these experts have extensive clinical and research experience in the management of neonatal infections, which allows them to transmit not only theoretical knowledge, but also practical experiences and real clinical cases. Therefore, their pedagogical approach will be based on interaction, debate and critical analysis, fostering the development of analytical and problem-solving skills in the graduates.





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The teachers of this Postgraduate Certificate are committed to academic excellence and the constant updating of their knowledge, providing you with the most relevant and updated information”

Management



Dr. Baca Cots, Manuel

- ♦ Head of the Pediatrics and Neonatology Service at Hospital Quirón Málaga
- ♦ Head of Neonatology at Hospital Clínica Dr. Gálvez
- ♦ Head of Neonatology at Hospital Qurón of Murcia
- ♦ Head of Andalusian Health Service (SAS)
- ♦ Lead researcher of international multi-center projects
- ♦ Degree in Medicine from the University of Granada

Professors

Dr. García Sánchez, Rubén

- ♦ Responsible for Neonatal Infectious Diseases at the University Hospital of Salamanca
- ♦ Neonatologist Specialist at the University Hospital of Salamanca
- ♦ Member of the Recognized Research Group GIR of the IBSAL "Vaccine Research"
- ♦ Member of several national and international networks of Pediatric and Neonatal



04

Structure and Content

The Postgraduate Certificate will include the detailed study of preventive measures to control Nosocomial Infections specific to neonates, as well as the in-depth analysis of comprehensive approaches to diagnose and treat conditions such as Neonatal Meningitis. In addition, they will delve into management strategies for Cutaneous, Locomotor and Urinary Tract Infections in neonates, providing participants with practical and up-to-date tools to address these clinical challenges.





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You will focus on the diagnosis of TORCH complex infections, providing a comprehensive understanding of these infectious diseases, which can affect the fetus during pregnancy”

Module 1. Neonatal Infections

- 1.1. Nosocomial Infections
- 1.2. Meningitis
- 1.3. Skin Infections
- 1.4. Infections of the Locomotor System
- 1.5. Urinary Infections
- 1.6. TORCH Complex Infections
- 1.7. Respiratory Infections
- 1.8. The Laboratory and Neonatal Infections
- 1.9. Treatment
- 1.10. New Neonatal Infections Emerging in the 21st Century





“ You will acquire specialized and relevant knowledge to contribute to the well-being and healthy development of newborns, in the neonatal health care setting”

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

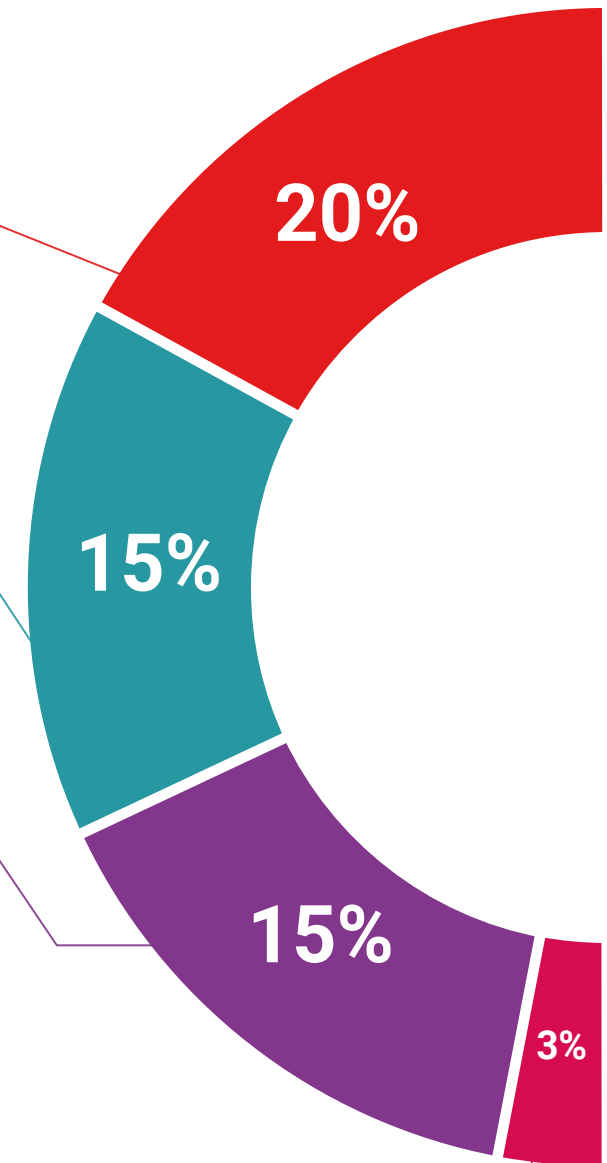
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

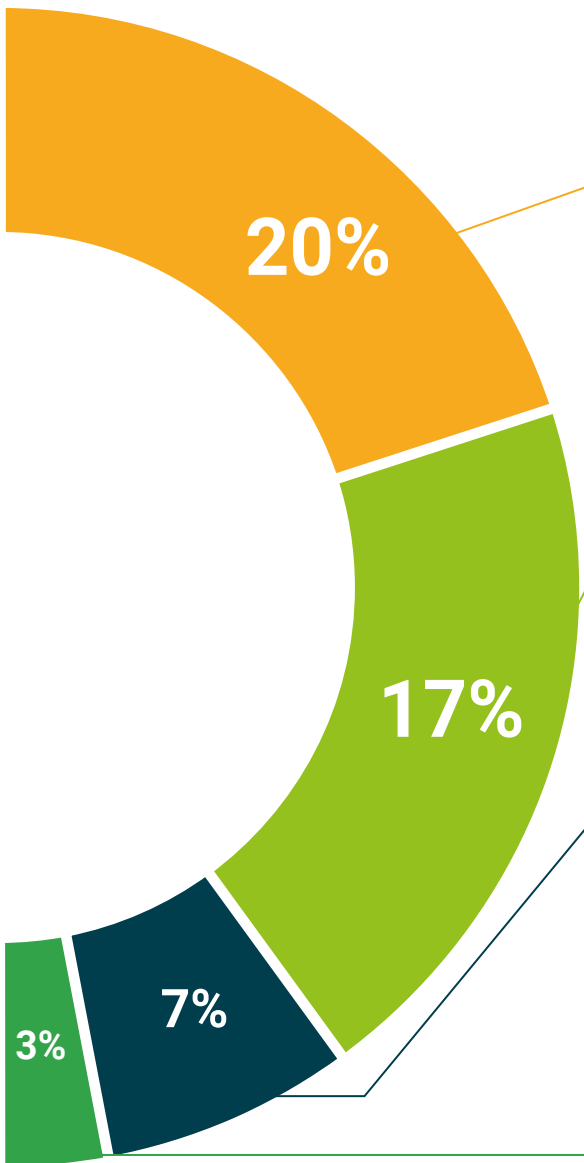
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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 Neonatal Infections guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Certificate in Neonatal Infections** 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 Infections**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



Postgraduate Certificate Neonatal Infections

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

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