

Postgraduate Certificate Neonatal and Fetal Surgery





Postgraduate Certificate Neonatal and Fetal Surgery

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

Website: www.techtitute.com/us/medicine/postgraduate-certificate/neoatal-fetal-surgery

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

Expand your skills in Neonatal and Fetal Surgery with this high-level course developed by professionals with extensive experience in the field. Specialize in a highly demanded specialty with this intensive program, including the most innovative resources used in the sector.





“

This program is aimed at specialists who want to update their knowledge and acquire the latest techniques in Neonatal and Fetal Surgery”

In addition to requiring in-depth knowledge of these techniques, this program requires a specific theoretical and practical program. That these techniques are offered in hospitals is a seal of quality in health care. Nowadays, patient parents familiar with the latest technologies demand professionals who have mastered them and can treat their children with minimally invasive techniques such as Neonatal and Fetal Surgery. They can diagnose and treat many of the surgical pathologies of pediatric patients.

Therefore, it is reasonable to promote the specialization of professionals in this discipline, whose teaching is not regulated, having to resort to postgraduate specialization that includes different professional experts in this field as teachers.

In this program, the majority of endoscopic techniques used today in pediatric patients will be studied in depth. Focusing on minimally invasive techniques, the program will cover pediatric surgery pathologies that can be diagnosed or treated using Neonatal and Fetal Surgery.

In order to guarantee ensure this, the best experts in the field will contribute their personal experience and present the latest trends in each of their areas.

This Postgraduate Certificate **in Neonatal and Fetal Surgery** contains the most comprehensive and up-to-date scientific program on the market” Outstanding features:

- ♦ The latest technology in online teaching software
- ♦ A highly visual teaching system, supported by graphic and schematic contents that are easy to assimilate and understand
- ♦ Practical cases presented by practising experts
- ♦ State-of-the-art interactive video systems.
- ♦ Teaching supported by telepractice
- ♦ Continuous updating and recycling systems
- ♦ Autonomous learning: full compatibility with other occupations
- ♦ Practical exercises for self-assessment and learning verification
- ♦ Support groups and educational synergies: questions to the expert, debate and knowledge forums.
- ♦ Communication with the teacher and individual reflection work.
- ♦ Content that is accessible from any fixed or portable device with an Internet connection.
- ♦ Supplementary documentation databases are permanently available, even after the program



Improve the quality of care for your patients with this highly scientifically rigorous learning”

“*Apply the latest trends in Neonatal and Fetal Surgery in your daily professional practice*”

Our teaching staff is composed of medical professionals, practising specialists. That way, we can ensure that we offer students the up-to-date knowledge we at TECH aim to provide. A multidisciplinary cadre of skilled and experienced physicians in different environments, who will develop the theoretical knowledge in an efficient manner, but, above all, will put at the service of the program the practical knowledge derived from their own experience: one of the differential qualities of this Postgraduate Certificate.

Mastery of the subject will be complemented by the effective methodology used throughout this Postgraduate Certificate by our multidisciplinary team of *e-learning* experts, as it integrates the latest advances in educational technology. This way, you will be able to study with a range of comfortable and versatile multimedia tools that will give you the operability you need in your education.

The design of this program is based on Problem-Based Learning: an approach that conceives learning as a highly practical process. To achieve this remotely, we will use telepractice learning: with the help of an innovative interactive video system, and *learning from an expert*, you will be able to acquire the knowledge as if you were actually dealing with the scenario you are learning about. A concept that will allow you to integrate and fix learning in a more realistic and permanent way.

You will have the latest multimedia tools, designed by experts in Neonatal and Fetal Surgery, which will favor assimilation and learning speed.

This program uses the latest advances in educational technology, based on e-learning methodology.



02 Objectives

This Postgraduate Certificate will provide students with the theory and practice necessary to easily and confidently approach pediatric surgical pathologies susceptible to treatment using minimally invasive techniques, and therefore benefiting child patients.



“

Our objective is to specialize highly qualified professionals for work experience”



General Objectives

- ♦ Complement specialist training in pediatric surgery with special focus placed on minimally invasive techniques, pediatric Endoscopy.
- ♦ Adequately prepare these professionals to face with guarantee and quality the different pediatric pathologies that can be addressed through these access routes.
- ♦ Enable students to offer professional assistance supported by an accredited teaching program





Specific Objectives

- ♦ Learn the peculiarities of laparoscopic neonatal surgery, such as the size of the laparoscopic instruments, certain pathologies exclusive to this age group and the surgical techniques used in neonatal pathology
- ♦ Know those neonatal malformations that are attempted to be corrected prenatally and to know which ones require prenatal management and how to approach them

“

Don't miss the opportunity and get up to date on new developments in General Health Psychology to incorporate them into your daily medical practice”

03

Course Management

TECH has assembled the most prestigious teaching staff in minimally invasive interventions in Pediatrics. Thanks to the experience of experts in the field, specialists will be able to access the latest scientific evidence in this medical field in a direct and immediate way, as the program content will also be conveyed using numerous didactic resources. That way, not only is the knowledge included in the program guaranteed to be cutting-edge, but it also responds to and reflects the current reality in this complex health area.



“

Learn the latest advances in procedures in Neonatal and Fetal Surgery from leading professionals"

Management



Dr. Cabezalí Barbancho, Daniel

- ♦ Specialist in Pediatric Surgery.
- ♦ Specialist Area Physician (FEA) of the Pediatric Surgery Service, Urology Section, 12 de Octubre Hospital Madrid
- ♦ Doctor of Medicine and Surgery, from the Complutense University of Madrid.

Professors

Dr. Gómez Fraile, Andrés

- ♦ Specialist in Pediatric Surgery.
- ♦ Head of the Pediatric Surgery at 12 de Octubre Hospital
- ♦ Doctor of Medicine and Surgery, from the Complutense University of Madrid.

Dr. Cano Novillo, Indalecio

- ♦ Specialist in Pediatric Surgery.
- ♦ Specialist Area Physician (FEA) of the Pediatric Surgery Service, General Surgery Section, Hospital 12 Octubre
- ♦ Head of the Pediatric Surgery at Sanitas La Zarzuela Hospital

Dr. Giné Parental, Carlos

- ♦ Clinical Chief Officer Pediatric Surgery Service Vall d'Hebron University Hospital, Barcelona



“

*Take the step to get up to date
on the latest developments in
Neonatal and Fetal Surgery”*

04

Structure and Content

The content structure has been designed by a team of expert surgeons who collectively include all the updates on Neonatal and Fetal Surgery.





“

This Postgraduate Certificate has a quality program adapted to the latest trends in the field of spinal surgery"

Module 1. Neonatal and Fetal Surgery

- 1.1. Fetal Endoscopy
 - 1.1.1. General and Technical
- 1.2. Successful Techniques
- 1.3. Fetal Posterior Urethral Valve Surgery
- 1.4. Fetal Treatment for Congenital Diaphragmatic Hernia
- 1.5. Neonatal Congenital Diaphragmatic Hernia
- 1.6. Esophageal Atresia / Esophageal Atresia *Long-Gap*
- 1.7. Duodenal Atresia
- 1.8. Intestinal Atresia
- 1.9. Intestinal Malrotation
- 1.10. Neonatal Ovarian Cysts





“

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

05 Methodology

This 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, 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.

“

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 assess 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

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

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 prepared with unprecedented success in all clinical specialties regardless of surgical load. Our educational 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.

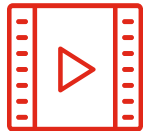
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

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 adapted in 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

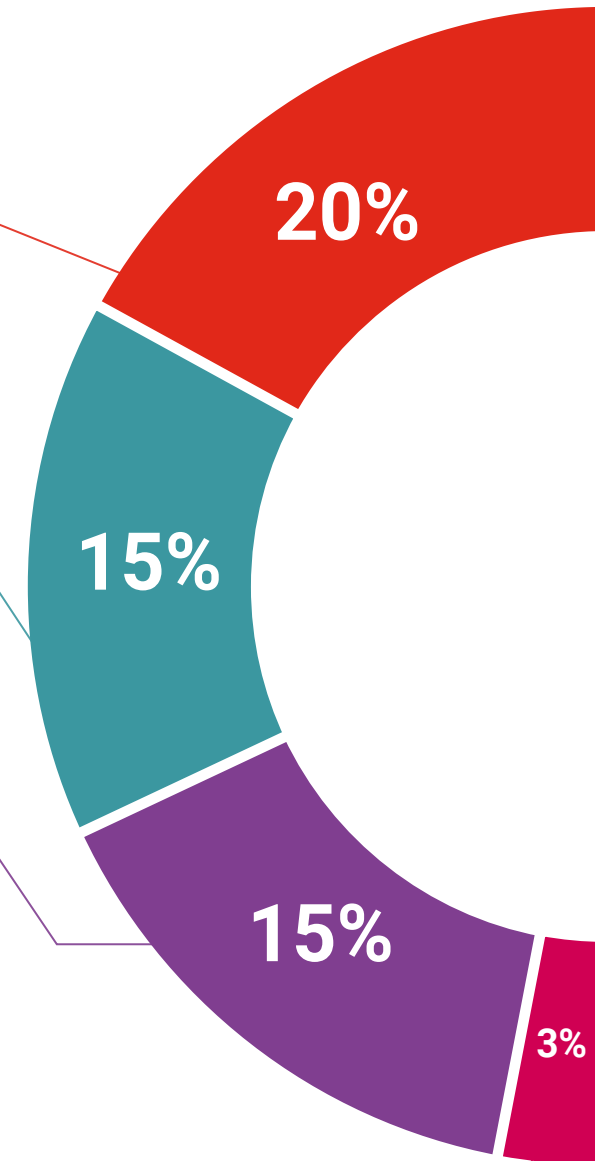
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

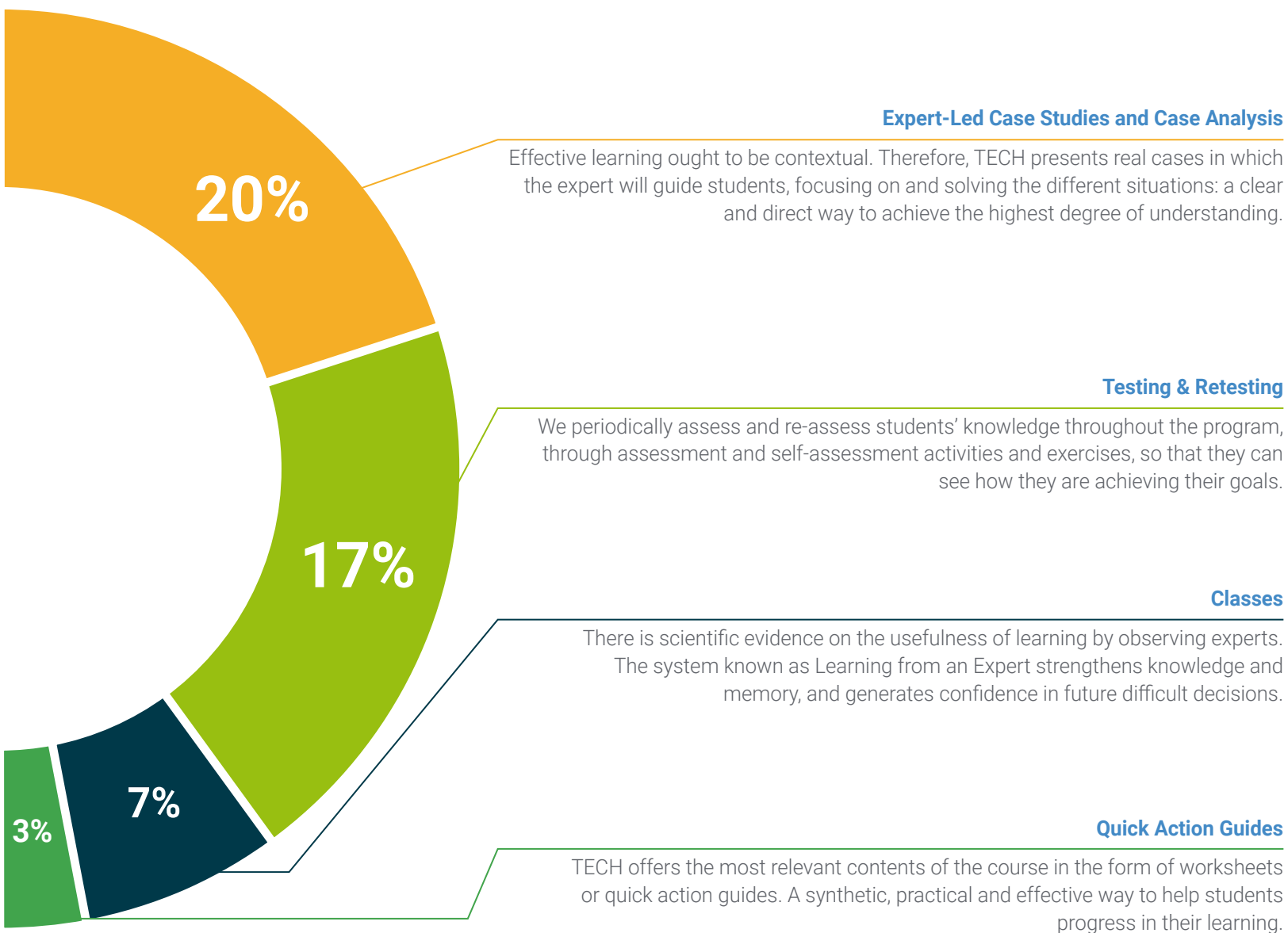
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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.





06 Certificate

The Postgraduate Certificate in Neonatal and Fetal Surgery 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 a **Postgraduate Certificate in Neonatal and Fetal Surgery** 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 Neonatal and Fetal Surgery**

ECTS: **6**

Official N° of Hours: **150 hours**.





Postgraduate Certificate Neonatal and Fetal Surgery

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

Postgraduate Certificate Neonatal and Fetal Surgery

