

Postgraduate Certificate

Anesthesia and Post-Anesthesia Care Units (PACU)



Postgraduate Certificate Anesthesia and Post-Anesthesia Care Units (PACU)

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 12 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/nursing/postgraduate-certificate/anesthesia-post-anesthesia-care-units

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01

Introduction

Post-anesthesia recovery units, also known as PACUs, have been gaining importance during the last decades in the surgical process. Patient management in the post-anesthesia phase is fundamental in surgery, which is why nursing professionals must keep up to date in order to perform their functions in PACUs, fulfilling their role and performing evidence-based interventions.



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The quality of care for the recently intervened patient is conditioned by the updating of the knowledge of the professionals attending them. Get up to date on the procedures performed by nursing professionals in the post-anesthesia resuscitation unit"

The in-hospital surgical area, and specifically the anesthesiology department, is a highly complex workplace that requires a high degree of specialization from healthcare personnel, which implies in-depth knowledge of the different phases involved in the surgical process, such as pre-anesthesia, the perioperative process or postoperative care.

The nursing-physician tandem is very important in this field, being essential a constant updating in the knowledge of both, when educating part of these work teams, in order to maintain the level of competence and be able to provide a quality evidence-based care.

The Postgraduate Certificate aims to provide nursing professionals with up-to-date procedures in the area of anesthesia and resuscitation, which will allow them to safely and professionally carry out their daily work within this hospital service, and will help them gain an in-depth understanding of the skills and functions required in anesthesia and resuscitation nursing.

This **Postgraduate Certificate in Anesthesia and Post-Anesthesia Care Units (PACU)** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Clinical cases presented by experts
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Diagnostic and therapeutic innovations in the care of the surgical patient in postanesthesia recovery
- ♦ Includes up-to-date procedures by nursing professionals currently working at PACU
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Includes theoretical lectures, questions to the expert, discussion forums on controversial issues and individual reflection papers
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



Through this Postgraduate Certificate you will be able to up to date your knowledge of surgical patient care, improve prognosis and reduce sequelae and complications in surgery"

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This Postgraduate Certificate is the best investment you can make when selecting a refresher program, for two reasons: in addition to updating your knowledge in Anesthesia and Post-Anesthesia Care Units (PACU) will obtain a certificate endorsed by TECH Technological University"

Its teaching staff includes leading nursing professionals, who contribute their work experience to this up-to-date program, in addition to other professionals specialized in post-anesthesia recovery units.

Thanks to their multimedia content developed with the latest educational technology, they will allow professionals to learn in a situated and contextual way, i.e., a simulated environment that will provide immersive learning programmed to prepare them for real situations.

This program is designed around Problem-Based Learning, whereby nursing professionals must try to solve the different professional practice situations that arise throughout the program. All this is supported by an innovative interactive video system developed by recognized experts in nursing care in post-anesthesia recovery units with extensive teaching experience.

The Postgraduate Certificate will allow you to practice in simulated environments, which will provide an immersive learning programmed to learn in real situations.

It includes clinical cases to bring the development of the program as close as possible to the reality of nursing care.



02

Objectives

The program is oriented towards a review of the main aspects of surgical patient management, based on scientific evidence and the experience of renowned professionals.



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This program will give you a sense of confidence when taking decisions and providing care, which will help you grow both personally and professionally”



General Objective

- Update nursing professionals who perform their care functions in post-anesthesia recovery units, following the principles of nursing methodology, to provide quality care to the surgical patient recovering from anesthesia after a surgical procedure



Make the most of the opportunity and take the step to get up to date on the most important aspects of Anesthesia and Post-Anesthesia Care Units (PACUs)”





Specific Objectives

- ◆ Gain up-to-date knowledge on drug management procedures and patient control during anesthesia
- ◆ Delve into patient safety during anesthesia
- ◆ Master surgical patient monitoring to detect any type of abnormality
- ◆ Master the access, management and maintenance of the airway: intubation and extubation
- ◆ Identify the most commonly used types of anesthetics
- ◆ Apply defibrillation when needed, mastering the use of the crash cart
- ◆ Study the basics of general anesthesia more in depth
- ◆ Know the most commonly used drugs in each case
- ◆ Delve into the different regional anesthetic techniques
- ◆ Delve into nursing care for anesthetized patients and crash cart management
- ◆ Be aware of the possible complications derived from anesthesia

03

Course Management

The program includes in its teaching staff leading professionals in anesthesia and surgical nursing, who bring to this program their work experience. Additionally, other specialists of renowned reputation have participated in the development of the contents, completing the program in an interdisciplinary manner.



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Learn from leading professionals the latest advances in surgical patient care in the Post-anesthesia Recovery Unit”

Management



Ms. Díaz Torrijos, María José

- ♦ Nursing supervisor of the General Surgery Department at 12 Octubre Hospital
- ♦ Cardiology Service, Fundación Alcorcón University Hospital
- ♦ Operating Room Services, 3rd General Residency at Fuenlabrada University Hospital
- ♦ Specialist Nursing Qualification in Pediatric Nursing from the Ministry of Culture, Education and Sports
- ♦ Master's Degree in Nursing Management from European University of Madrid
- ♦ Expert Postgraduate Certificate in Management and Quality of Care from the Nursing Leadership by FUDE.
- ♦ Degree in Nursing from the "Puerto de Hierro" University School of Nursing, Autonomous University of Madrid

Professors

Ms. Ranz González, Raquel

- ♦ Surgical Nurse
- ♦ Surgical Nurse in various specialities at Gregorio Marañón Hospital
- ♦ Operating Room Nurse in various specialties at 12 de Octubre Hospital
- ♦ Participation in the subcommissions of *Surgical Protocols* and *Accounting protocol revision* at 12 de Octubre University Hospital
- ♦ Co-author of several communications and scientific presentations for national events and congresses of the guild
- ♦ Diploma and Degree in Nursing from the Complutense University of Madrid

Mr. Garcia Del Campo, Gabriel

- ♦ Operating Room Service in the Abdominal Organ Transplantation Unit at the 12 de Octubre University Hospital Madrid
- ♦ Official Specialist Nurse Qualification in Pediatric Nursing. Ministry of Education of Spain
- ♦ University Diploma in Nursing. San Pablo University CEU, Madrid
- ♦ Virgen del Mar Hospital, Madrid. Operating Room and Intensive Care Services



Mr. García Ortega, Eduardo

- ◆ Surgical Block Nurse, 12 de Octubre University Hospital, Madrid
- ◆ Operating Room Nurse at the Moncloa Hospital in Madrid
- ◆ Operating Room Nurse at the Nuevo Parque Clinic in Madrid
- ◆ Graduate in Nursing from the Complutense University of Madrid
- ◆ Postgraduate course in Operating Room and Anesthesia at Rey Juan Carlos University

Ms. Sanz Hernández, Natalia

- ◆ Surgical Nurse in Maxilofacial, Trauma and Orthopedics at 12 de Octubre University Hospital of Madrid
- ◆ Operating Room Nurse, Thoracic and Cardiovascular, Otorhinolaryngology, and Neurosurgery at the 12 de Octubre University Hospital in Madrid
- ◆ Diploma in Nursing from the University of Valladolid
- ◆ Adaptation course to the Degree in Nursing at the University of León

Ms. Esteban Saori, Patricia

- ◆ Surgical Nurse in the Lung Transplantation Team at 12 de Octubre University Hospital
- ◆ Operating Room Nurse in the Oncology and Gynecology Unit at the 12 de Octubre University Hospital
- ◆ Diploma in Nursing from the Autonomous University of Madrid at the Jiménez Díaz Foundation School of Nursing.

04

Structure and Content

The content structure has been designed by a team of professionals who recognize the importance of learning in nursing surgical care, aware of the relevance of current knowledge to provide quality patient care, and committed to teaching through new educational technologies.





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This Postgraduate Certificate in Anesthesia and Post-Anesthesia Care Units (PACUs) contains the most complete and up-to-date scientific program on the market”

Module 1. Anesthesia I

- 1.1. What is Anesthesia? Evolution of Current Concepts of Anesthesia
- 1.2. Patient Safety in Anesthesia
- 1.3. Pre-anesthetic Consultation
- 1.4. Apparatus to Support Anesthetic Control
- 1.5. Surgical Patient Monitoring I. Cardiovascular
- 1.6. Surgical Patient Monitoring II. Respiratory, Renal Function and Acid Base Balance
- 1.7. Surgical Patient Monitoring III. Temperature, Neuromuscular and CNS
- 1.8. Nursing Airway Management
- 1.9. Devices to Ensure Airway Permeability. Airway Cart
- 1.10. Fluid Therapy, Blood and Blood Derivatives
- 1.11. Pediatric Anesthesia

Module 2. Anesthesia II

- 2.1. General Anesthesia
- 2.2. Most Common Anesthetic Agents (Drugs)
- 2.3. Inhalation Anesthetic Agents
- 2.4. Regional Anesthetic and Analgesic Techniques
- 2.5. Peripheral Blockages. Sedation
- 2.6. Nursing Care for Patients under Anesthesia. Crash Cart
- 2.7. Postoperative Complications
- 2.8. Interventions that Can Prevent Preoperative Complications
- 2.9. Patient Admission to the Post-Anesthesia Recovery Unit
- 2.10. Possible Complications. Criteria for Discharge





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

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 Anesthesia and Post-Anesthesia Care Units (PACU) 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 Anesthesia and Post-Anesthesia Care Units (PACU)** 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 Anesthesia and Post-Anesthesia Care Units (PACU)**

Modality: **online**

Duration: **6 weeks**

Accreditation: **12 ECTS**





Postgraduate Certificate

Anesthesia and Post-
Anesthesia Care Units
(PACU)

- » Modality: online
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- » Schedule: at your own pace
- » Exams: online

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