Postgraduate Diploma

Surgical Anesthesiology in Nursing

tech global university

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Postgraduate Diploma
Surgical Anesthesiology
in Nursing

» Modality: **online**
» Duration: **6 months**
» Certificate: **TECH Global University**
» Credits: **18 ECTS**
» Schedule: **at your own pace**
» Exams: **online**

Website: **www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-surgical-anesthesiology-nursing**

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01

Introduction

The field of surgery has specific characteristics different from the rest of the departments where La nursing activities are carried out. The evolution of anesthetics used on patients in surgery makes it necessary for nursing professionals to constantly update their knowledge and skills in this area to maximize patient comfort and minimize surgical risks.

> " *Success and professional recognition in the operating room is not only achieved with personal qualities; it is, above all, a work of perseverance, method and organization. This Postgraduate Diploma will help you up-to-date your knowledge and increase your level of competence in surgical anesthesia"*

The methods used in surgery are constantly evolving, and the advances being made significantly condition the procedures surgical teams perform.

Each surgical intervention requires specific procedures, techniques and anesthesia. There are a series of steps and rules common to all of them that team members must know in detail, as well as how the entire surgical block functions so as to prevent and avoid the most common risks in professional practice.

This program is designed to up-to-date professionals who are developing or want to develop their functions in the surgical area, in order to increase their competence in safety procedures for themselves and, thus collaborate in the success of the intervention.

This **Postgraduate Diploma in Surgical Anesthesiology in Nursing** is the most complete and up-to-date scientific program on the market. Its most notable features are:

- Clinical cases presented by nursing professionals who are experts in patient care in surgery and other specialities
- The graphic, schematic, and practical contents with which they are created, provide scientific and practical Postgraduate Diploma on the disciplines that are essential for professional practice
- The latest diagnostic-therapeutic techniques on professional nursing practice with surgical patients
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- All 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

The Postgraduate Diploma in Surgical Anesthesiology in Nursing will allow you to up-to-date your knowledge, improve prognosis and reduce sequelae and complications in patients"

"This Postgraduate Diploma is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Surgical Anesthesiology, you will obtain a qualification endorsed by TECH Global University"

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

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

Its teaching staff includes leading nursing professionals, who contribute their work experience to this up to date program, in addition to other professionals specializing in the surgical area.

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. For this reason, you will be assisted by an innovative interactive video system created by renowned and experienced experts in the field of surgical nursing with extensive teaching experience.

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Objectives

The program for this Postgraduate Diploma is oriented toward a review of surgical Anaesthesiology procedures, based on the experience of renowned professionals, in order to provide quality care based on the latest scientific evidence and guarantee patient safety.

"

This refresher program will generate a sense of security when practising nursing, which will help you grow both personally and professionally"

General Objective

• Up-to-date the professionals on nursing procedures in surgical anesthesiology, in order to increase quality and safety in surgical nursing and to decrease the risks in the subsequent rehabilitation stages of patients

A path to achieve education and professional growth that will propel you towards a greater level of competitiveness in the employment market"

Specific Objectives

Module 1. Surgical Nurses

- Identify opportunities in the application of acquired theoretical knowledge and the tasks and techniques carried out in the operating room
- Assess the success of teamwork with the aim of achieving set goals
- Prevent mistakes and accidents which could put the general objective of nursing professionals -the protection of the patient in the field of surgery- at risk
- Establish a treatment with the patient and their family that goes beyond the simple application of nursing techniques, and to consider all aspects of the patient's condition as whole
- Describe the role of the nurse in the integral care of a patient during the surgical process
- Evaluate the importance of nursing records in the field of surgery and describe the necessary procedures for correctly implementing them
- Explain expert nursing care related to the safety of a surgical patient

Module 2. Anesthesia II

- 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 deeper into nursing care for anesthetized patients and crash cart management
- Be aware of the possible complications derived from anesthesia

Module 3. Communications and Human Relations Related to the Legal Field

- Analyze the ethical aspects involved both in patient care and in research procedures related to surgical activity in the different stages of care
- Apply the necessary communication skills to care for a patient in an appropriate and personalized way
- Review and incorporate legal and ethical aspects in the professional practice in the surgical area

03

Course Management

These materials have been created by a team of professionals who are experts in nursing patient care, working in the main hospital centers and in the most important internal medicine services in the country, bringing to the program the experience they have gained throughout their careers.

Learn about the latest advances in Surgical Anaesthesiology from leading professionals"

Guest Director

Ms. Diaz 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 Marañon Hospital
- Room Requirements Nurse at various specialities 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

Ms. Esteban Saori, Patricia
- Surgical Nurse in the Lung Transplant Team at 12 de Octubre University Hospital 2005 - present
- Surgical Nurse in the Lung Transplant At Hospital at 12 de Octubre University Hospital
- Diploma in Nursing in the Autonomous University of Madrid

Mr. García Ortega, Eduardo
- Surgical Block Nurse, 12 de Octubre University Hospital, Madrid
- Chief of Operating Theatre Department, Hospital Moncloa, Madrid
- Operating Room Nurse at the Nuevo Parque Clinic in Madrid
- Graduate in Nursing from the Complutense University of Madrid
- Undergraduate and in Operating Theatre and Anesthesia in the Rey Juan Carlos University

Ms. Sanz Hernández, Natalia
- Surgical Nurse in the Lung Transplant At Hospital at 12 de Octubre University Hospital
- Diploma in Nursing from the University of Valladolid
- Adaptation Certificate in Nursing from the University of León

Mr. Garcia Del Campo, Gabriel
- Operating Room Service in the Abdominal Organ Transplant Unit at the 12 de Octubre University Hospital Madrid
- Specialist Nursing Qualification in Pediatric Nursing from Ministry of Culture, Education and Sports
- Postgraduate Certificate in Nurses, San Pablo University CEU, Madrid
- Hospital Virgen del Mar, Madrid, Operating Room and Intensive Care Department

Structure and Content

The curriculum structure has been designed by a team of professionals who understand the implications of nursing specialization in surgical anesthesia procedures, aware of the current relevance for specialization, and committed to quality teaching through new educational technologies.

This Postgraduate Diploma in Surgical Anesthesiology in Nursing is the most complete and up-to-date scientific program on the market"

Module 1. Surgical Nurses

1.1.   Legislation
1.2.   Bioethics and code of ethics in Spanish nursing
1.3.   Professional Discretion
1.4.   Brief Historical Introduction to Surgical Nursing and "Modern" Surgery
1.5.   Professional Nursing Personal Qualities and/ or Behaviours for Nurses who Decide to Dedicate Themselves to the Surgical Field
1.6.   Comparison between Different Models of Surgical Nursing in the Different Health Systems in Spain and Europe
1.7.   Stress Control in the Operating Room: Burnout Syndrome
1.8.   Nursing Practice and Humanizing Care in the Operating Room

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 Discharge Criteria

Module 3. Communications and Human Relations Related to the Legal Field

"

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.

" *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.

"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.

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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.

20%

15%

15%

3%

20%

17%

3%

7%

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 Diploma in Surgical Anesthesiology for Nursing guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma 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 Diploma in Surgical Anesthesiology in Nursing** 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.
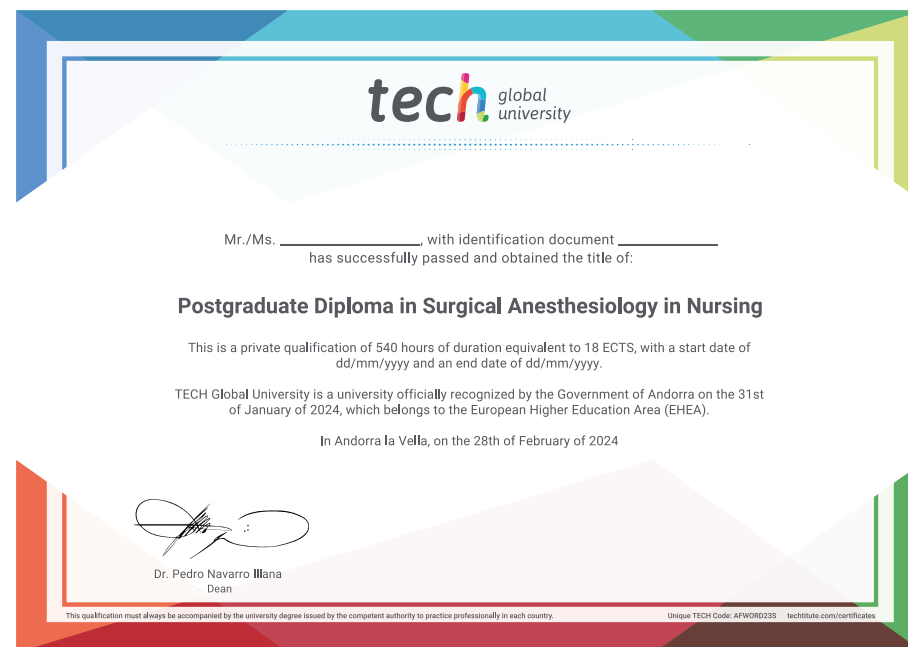
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Surgical Anesthesiology in Nursing**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**

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Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Diploma in Surgical Anesthesiology in Nursing

This is a private qualification of 540 hours of duration equivalent to 18 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.   Unique TECH Code: AFWORD23S   techtitute.com/certificates

*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.

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