

# Postgraduate Diploma

## Perioperative Care in Nursing

Management and Scientific

Endorsement:



ASOCIACIÓN  
ESPAÑOLA  
DE ENFERMERÍA  
QUIRÚRGICA



**tech** technological  
university



## Postgraduate Diploma Perioperative Care in Nursing

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-perioperative-care-nursing](http://www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-perioperative-care-nursing)

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# 01

# Introduction

The field of surgery has specific characteristics different from the rest of the departments where nursing care activities are carried out. The evolution of nursing procedures, together with advances in technology, make it essential for nursing professionals constantly update their knowledge in order to provide care based on the latest scientific evidence.







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*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 update your knowledge and increase your level of competence in Intraoperative Care.”*

The field of surgical technology is constantly expanding, and hospital managers are increasingly looking to recruit professionals whose profile fulfills the requirements of the job, and who are qualified and endorsed for carrying out this type of work. This is why a new team awareness has been developing among professionals in the surgical field. They continue to enrich their professional skills in this field every day in order to meet the needs of new techniques and care that come with the advances in surgery as a whole.

Today, the large number of undergraduate training hours provides students (and future professionals) with diverse clinical experiences, but few opportunities to enhance the skills necessary to delve into surgical nursing in general, which is why many nurses seek to perfect and, in many cases, initiate their surgical skills already in active service and/or through independent study for training in effective surgical nursing practice.

This Postgraduate Diploma is designed to update 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 collaborating in the success of the intervention.

This **Postgraduate Diploma in Perioperative Care in Nursing** is the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ◆ Clinical cases presented by nursing professionals who are experts in patient care in surgery and other specialities. 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 practice.
- ◆ The latest diagnostic-therapeutic techniques in professional nursing practice with surgical patients.
- ◆ Practical workshops on sutures and other techniques performed by nurses.
- ◆ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ◆ 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.

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*The Postgraduate Diploma in Intraoperative Nursing Care will allow you to update your knowledge, improve prognosis and reduce sequelae and complications in patients."*

“

*This Postgraduate Diploma may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge of surgical nursing, you will obtain a qualification from 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 specializing in the surgical area.

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 the program is based on Problem-Based Learning, by means of which the nursing professional 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.

*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.*





02

# Objectives

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





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



## General Objective

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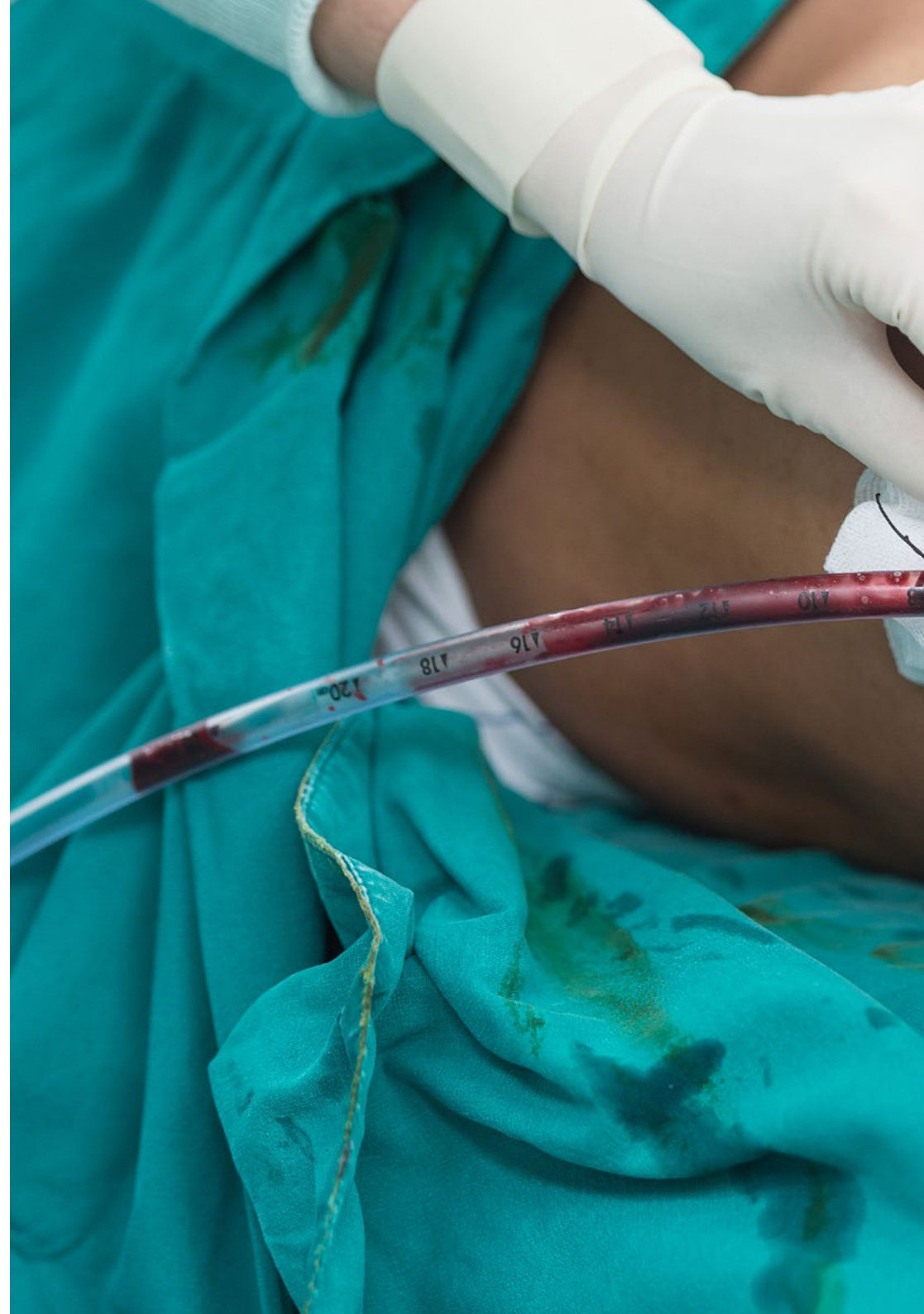
- ◆ Update professionals on nursing procedures in intraoperative care during surgery, in order to increase quality and safety in surgical nursing and to decrease the risks in the subsequent rehabilitation stages of patients.



## Specific Objectives

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- ◆ Apply the scientific method as a way of developing diverse surgical procedures and routines while updating all your knowledge and practical skills in response to the new care trends within the surgical field.
- ◆ Analyze the ethical aspects involved both in patient care and in research procedures related to surgical activity in the different stages of care.
- ◆ Analyze and implement new care models based on psychosocial factors involved in health problems, favoring a multidisciplinary approach and promoting patient participation in their own health care process.
- ◆ 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.
- ◆ Correctly plan surgical techniques to achieve end results quickly and efficiently.
- ◆ Identify the key elements to reduce surgical times as much as possible, applying the above points for the benefit of patients, the team and the hospital.
- ◆ Prevent mistakes and accidents which could jeopardize the general objective of nursing professionals: protect the patient undergoing surgery.





- ◆ Establish a treatment with the patient and their family that goes beyond the simple application of nursing techniques, and consider all aspects of the patient's condition as whole.
- ◆ Gain up to date knowledge on drug management procedures and patient control during anesthesia.
- ◆ Describe the role of nurses in the integral patient care during the surgical process.
- ◆ Revise the key principles of surgical asepsis.
- ◆ Apply the necessary communication skills to care for a patient in an appropriate and personalized way.
- ◆ Design and plan nursing care for pre-, intra- and post-operative periods.
- ◆ Evaluate the importance of nursing records in the field of surgery and describe the necessary procedures for correctly implementing them.
- ◆ Review and incorporate the legal and ethical aspects in professional practice in the field of surgery.
- ◆ Explain expert nursing care related to the safety of surgical patients.
- ◆ Identify the changes in the clinical situation of surgical patients, acquiring skills in the initial assessment of a intraoperative, post-surgery patient.



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 from leading professionals the latest advances in intraoperative nursing care.”*

## Guest Director



### Ms. Diaz Torrijos, María José

- ◆ Nursing supervisor in the General Surgery Department at 12 Octubre Hospital 2019-present.
- ◆ Pediatric Services at Fuenlabrada University Hospital (Madrid) 2004-2011.
- ◆ Operating Room Services, 3rd General Residency at Fuenlabrada University Hospital (Madrid) 2016-2019.
- ◆ Degree in Nursing from Puerto de Hierro University School of Nursing, Autonomous University of Madrid.
- ◆ 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.
- ◆ Postgraduate Certificate in Management and Quality of Care from the Nursing Leadership, FUDE.

## Management



### Mr. Pazos Moreno, José Manuel

- ◆ Surgical Nurse, Outpatient Surgery Unit, Elche University General Hospital
- ◆ Former supervisor of the Surgical Area and ICU. (Outpatient Surgery Unit) of the General Hospital of Elda and the General University Hospital of Elche (17 years).
- ◆ Associate Professor of Nursing at the Faculty of Sciences of the University of Alicante and Collaborating Professor of Nursing at the Faculty of Health Sciences of the Cardenal Herrera CEU University of Elche.
- ◆ Director of the online degree in Nursing in the Surgical Area and Aftercare (Aula Salud).
- ◆ Member of the Nursing and Bioethics Teaching Committee at the Elche University General Hospital.
- ◆ Organizer, speaker, communicator and panel member at various National and International Congresses on topics related to the Surgical Field.
- ◆ Director of more than 200 (two hundred) Postgraduate Courses on Surgical Instrumentation and Sutures, organized by the Nursing Department of the University of Alicante and the Official College of Nursing of Alicante, among others.



## Professors

### **Dr. Andreu Gálvez, Juan**

- ◆ Medical Director of the Surgical Area of the Vinalopó Hospital in Elche, from 2010-present.
- ◆ PhD in Medicine and Surgery from the University of Valencia
- ◆ Specialist in General and Digestive System Surgery, University of Murcia, 1982.
- ◆ Start-up (among others) of the H.G.U. Major Outpatient and Short Stay Surgery Unit. Elche (General Surgery)
- ◆ Professor, Organizer, speaker, communicator and panel member at various National and International Congresses on topics related to the Surgical Field.,

### **Ms. Esteban Saori, Patricia**

- ◆ Preparation course for the degree in Nursing, Complutense University of Madrid 2015 - 2016.
- ◆ Diploma in Nursing. Autonomous University of Madrid (Jiménez Díaz Foundation) 1998-2001
- ◆ Surgical Nurse in the Lung Transplant Team at 12 de Octubre University Hospital 2005 - present.
- ◆ Surgical Nurse in the Lung Transplant Team at the 12 de Octubre University Hospital 2005.

#### Mr. Garcia Del Campo, Gabriel

- ♦ Operating Room Service in the Abdominal Organ Transplant Unit at the 12 de Octubre University Hospital Madrid. 2015- present.
- ♦ University Diploma in Nursing San Pablo University CEU, Madrid 1997-2000.
- ♦ Official Specialist Nurse Qualification in Pediatric Nursing. Ministry of Education of Spain. 2016.
- ♦ Virgen del Mar Hospital, Madrid. Operating Room Services and Intensive Care 2001-2003.

#### Mr. García Ortega, Eduardo

- ♦ Nurse in Surgical Department at 12 Octubre University Hospital, Madrid. (2006- present.)
- ♦ Surgical Nurse at the Moncloa de Madrid Hospital (October 2009- April 2021).
- ♦ Surgical Nurse at Nuevo Parque de Madrid Clinic (December 2005- March 2009)
- ♦ Diploma in Nursing. Complutense University of Madrid. 2005.
- ♦ Postgraduate Degree in Surgery and Anesthesia. Rey Juan Carlos University. Madrid 2006

#### Ms. Llamas Carrasco, María Jesús

- ♦ Degree in Law from the University of Alicante (1992).
- ♦ Currently head of the Legal Services at Elche University General Hospital.
- ♦ Participant in congresses, courses and journals related to legal aspects of healthcare.
- ♦ Coordinator of courses related to legal aspects of healthcare in the Valencian School of Healthcare Studies (among others).
- ♦ Teacher in courses related to legal aspects of healthcare in the Valencian School of Healthcare Studies (among others).

#### Mr. Pazos González, Francisco Javier

- ♦ University Diploma in Nursing.
- ♦ Master's Degree in Nursing Care: specializing in Accidents and Emergencies.
- ♦ Surgical Nurse at Elche General University Hospital.
- ♦ Work experience in primary care and the emergency department at Elche General University Hospital.
- ♦ Currently studying a degree in Human Nutrition and Dietetics (3rd year).
- ♦ Courses studies (among others) "Surgical Instruments" and "Surgical Sutures" from the Nursing College of Alicante.
- ♦ Teaching collaborator at the Cardenal Herrera University CEU (surgical practice department).
- ♦ Collaborator in the design of distance learning courses for the "Aula Salud" company.

#### Ms. Ranz González, Raquel

- ♦ Surgical Nurse in various specialities at Gregorio Marañón Hospital and 12 de Octubre Hospital.
- ♦ Diploma and degree in Nursing from the Complutense University of Madrid
- ♦ Participation in the subcommissions of "Surgical Protocols" and "Accounting protocol revision" at 12 de Octubre University Hospital.
- ♦ Co-author of the scientific report: "A Literary Challenge" in the 6th National Congress of Surgical Nursing in Barcelona.
- ♦ Co-author of the scientific paper: Poster "Why does it hurt? Measures to preserve patient safety in the operating room" in the 3rd. National Congress of Surgical Nursing in Cordoba.



### **Dr. Santos Fuster, Pilar**

- ♦ Degree in Medicine and Surgery from the University Alicante 1990
- ♦ Specialist physician in Anesthesiology and Resuscitation after a residency at Virgen de la Arrixaca Hospital in Murcia 1995.
- ♦ Professional practice as Anesthetist in the Anesthesiology and Resuscitation Department at the Elche University General Hospital.
- ♦ Master's in Bioethics from the Valencian School of Health Studies, 2003-2004.
- ♦ Master's in Administration and Management of Health Services, 2012-2013.
- ♦ Professor of various courses related to the speciality of Anesthesiology and Resuscitation.
- ♦ Participation in scientific congresses and conferences as speaker, communicator and panel member.
- ♦ Research and publications in scientific papers.
- ♦ Member of the European and World Society for Airway Management 2002 and 2004

### **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 Team at 12 de Octubre University Hospital 2005.
- ♦ Preparation course for the degree in Nursing, Complutense University of Madrid 2015 - 2016.
- ♦ Diploma in Nursing. Autonomous University of Madrid (Jiménez Díaz Foundation) 1998-2001

### **Ms. Sanz Hernández, Natalia**

- ♦ Preparation Course for the Degree in Nursing. University of Leon
- ♦ Diploma in Nursing. University of Valladolid Soria Campus.
- ♦ Surgical Nurse in Maxilofacial, Trauma and Orthopedics at 12 de Octubre University Hospital 2011 - present.
- ♦ Surgical Nurse Thorax and Cardiovascular Surgery, Otorhinolaryngology, Neurosurgery at 12 de Octubre University Hospital 2007 - 2011.

04

# Structure and Content

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



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*This Postgraduate Diploma in Intraoperative Care in Nursing is the most complete and up-to-date scientific program on the market.”*

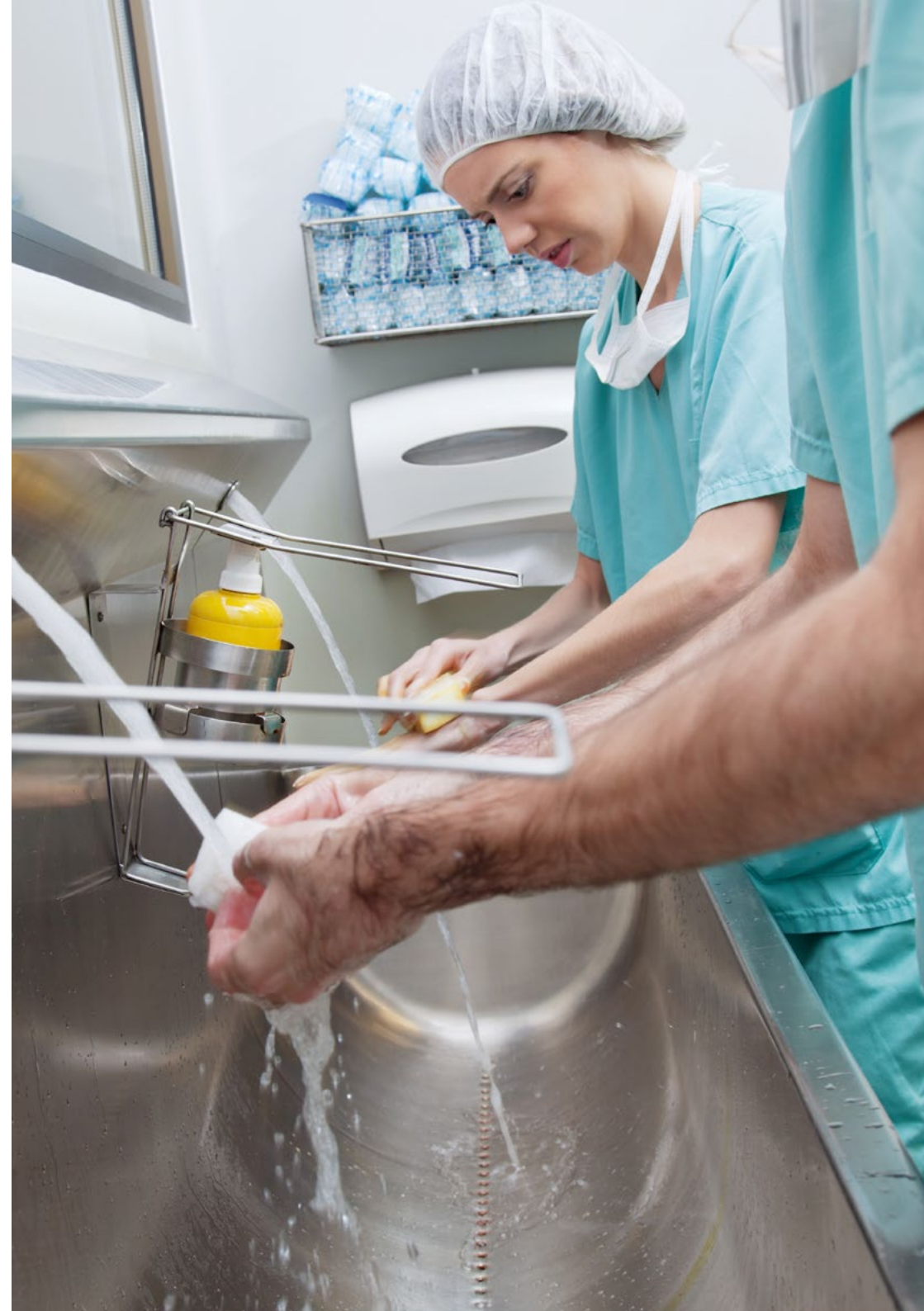


### Module 1. Surgical Nurses. Communication and Legal Environment

- 1.1. Introduction for Students Learning Objectives
- 1.2. Historical Evolution of Surgical Nursing and “Modern” Surgery
- 1.3. Professional Nursing Characteristics of a Profession Correlation between Theory and Practice
- 1.4. Surgical Nursing Personal Qualities and Behaviors for Surgical Nurses
- 1.5. Situations that May Weaken Surgical Nurses Awareness in the Surgical Field
- 1.6. Stress Control in the Operating Room
- 1.7. Comparison between Different Models of Surgical Nursing in the Different Health Systems in Spain and Europe
- 1.8. Current Situation of Surgical Nursing and Predicted Developments
- 1.9. Information on Medical Personnel Considerations

### Module 2. Preoperative Preparation of the Surgical Patient

- 2.1. Importance of Communication with Patients
- 2.2. Preoperative Psychological Considerations
- 2.3. Patient Needs
- 2.4. Possible Psychological Responses in Patients
- 2.5. Acceptance of Intervention Informed Consent
- 2.6. Preparation and Physical Examination of Surgical Patient Candidates
- 2.7. Nutritional Needs
- 2.8. Special considerations: Diabetic, Obese, Pediatric, Geriatric and Terminal Patients, and Patients Allergic to Latex





### Module 3. Organization and Relations of Nursing Work in the Surgical Department

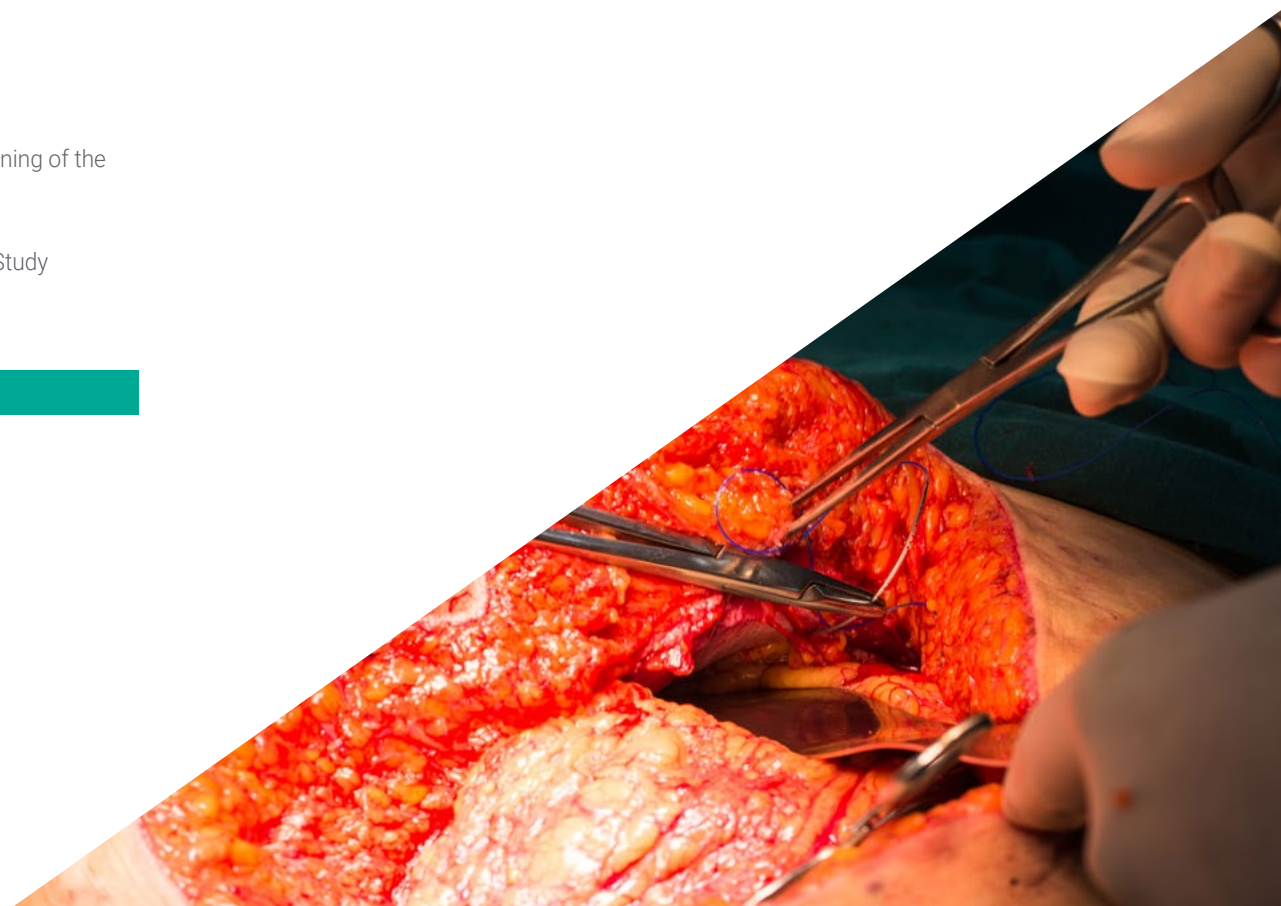
- 3.1. Needs in the Operating Room
- 3.2. Economic Use of Materials and Equipment
- 3.3. Role of the Surgical Nurse Different Roles during the Different Phases of Surgical Intervention (Preoperative, Intraoperative and Post Operative Procedures)
- 3.4. Other Members of the Operating Room Team The Importance of Teamwork
- 3.5. Circulation in the Surgical Area and the Operating Room Itself
- 3.6. Surgical Scrubbing and Donning of Sterile Gowns and Gloves
- 3.7. Preparing Instrument Tables
- 3.8. Surgical Tables: Patient Positioning according to the Surgical Technique Used
- 3.9. Preparing the Surgical Field
- 3.10. Activities During the Operation
- 3.11. Activities During the Closure of a Patient
- 3.12. Economics in "Time and Motion"
- 3.13. Concluding the Intervention: Removal of the Surgical Site, Collection and Cleaning of the Operating Room
- 3.14. Selective Collection of Waste and Residues
- 3.15. Collection, Conditioning and Shipment of Samples for Anatomopathological Study
- 3.16. Risks and Precautions for Intrasurgical Radiation Exposure
- 3.17. Latex Free Operating Room

### Module 4. PACU (post-anesthesia care unit)

- 4.1. Admitting Patients to the Unit
- 4.2. Monitoring
- 4.3. Possible Complications
- 4.4. Criteria for Discharge



*A unique, key, and decisive training experience 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.



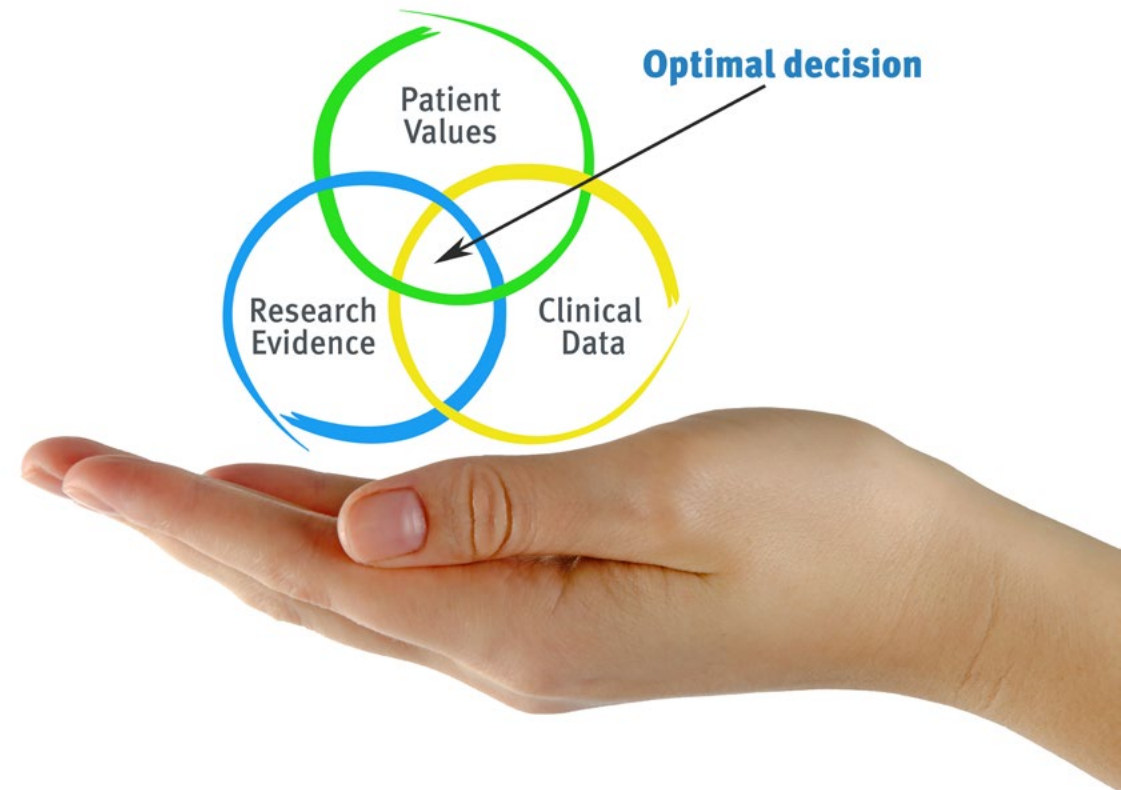
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*Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization.”*

## 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. Gervas, 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.



## 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 specialities regardless of practical 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.

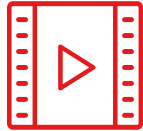
*Re-learning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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

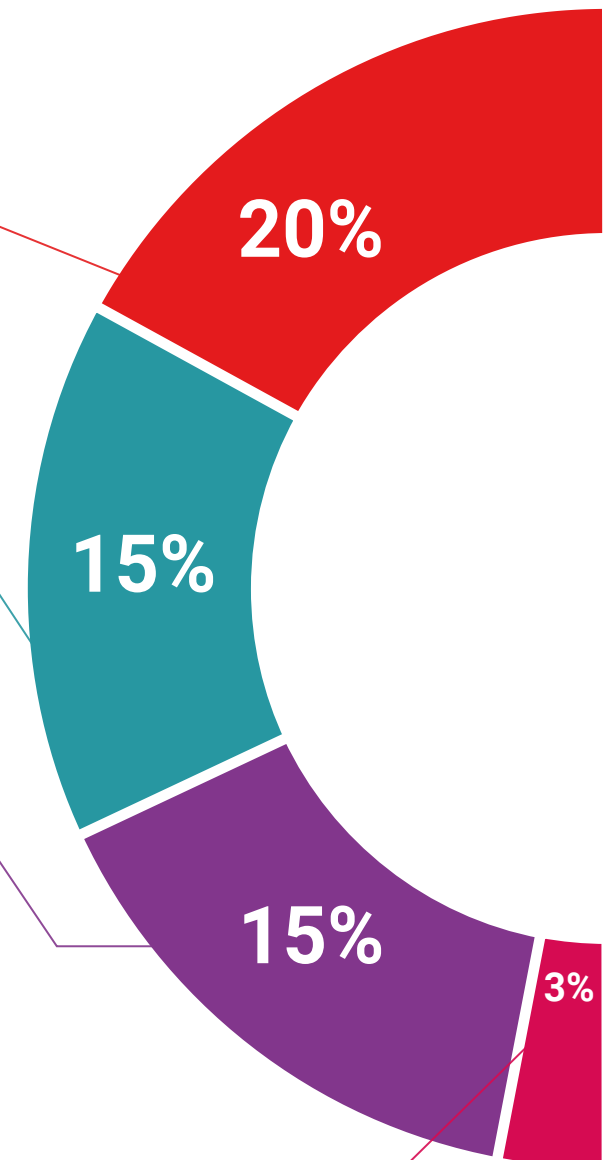
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

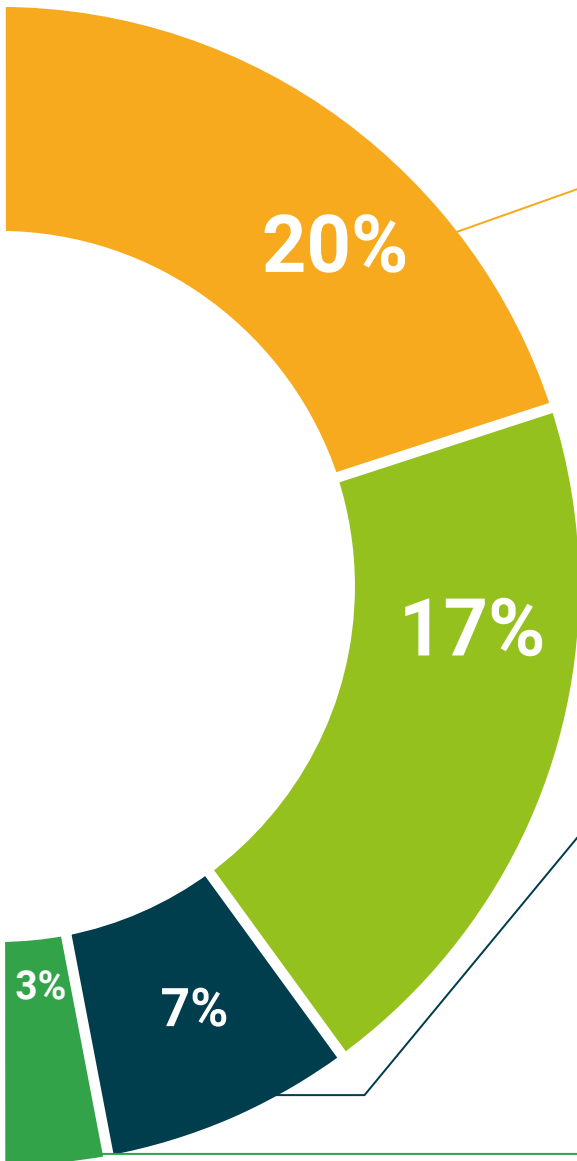


### Additional Reading

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. Therefore, we will present you with real case developments in which the expert will guide you through 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 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 suggesting that observing third-party experts can be useful.

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 Diploma in Perioperative Care in Nursing** guarantees, in addition to the most accurate and up-to-date training, access to a qualification issued by **TECH - Technological University**.





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*Successfully complete this training and receive your university degree without travel or laborious paperwork.”*

This **Postgraduate Diploma in Perioperative Care in Nursing** is the most complete and up-to-date scientific program on the market.

After the student has passed the evaluations, they will receive their corresponding **certificate** issued by **TECH - Technological University via tracked delivery**.

The certificate issued by **TECH - Technological University** will specify the qualification obtained through the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Perioperative Care in Nursing**

ECTS: **22**

Official Number of Hours: **550**



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QUIRÚRGICA**



\*Apostille Convention. In the event that the student wishes to have their paper diploma Apostilled, TECH EDUCATION will make the necessary arrangements to obtain it at an additional cost of €140 plus shipping costs of the Apostilled diploma.



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



**Postgraduate Diploma**  
Perioperative Care  
in Nursing

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

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## Perioperative Care in Nursing

Management and Scientific

Endorsement:



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