

Postgraduate Certificate

Monitoring the Immobilized Critically Ill Patient for Nursing





Postgraduate Certificate Monitoring the Immobilized Critically Ill Patient for Nursing

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

Website: www.techtute.com/us/nursing/postgraduate-certificate/monitoring-immobilized-critically-ill-patient-nursing

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01

Introduction

Road traffic injuries are a major public health problem. A World Health Organization report shows that between 20 and 50 million people affected are eventually disabled. Therefore, it urges nurses to provide comprehensive and high quality care to immobilized critically ill patients. This requires these professionals to remain at the forefront of technological advances in the field of Advanced Monitoring. Only in this way will they be able to prevent individuals from suffering complications ranging from pressure ulcers to muscular atrophy. For this reason, TECH implements an online program that will offer the most cutting-edge monitoring techniques to optimize user care.



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You will handle advanced monitoring techniques and perform effective interventions to prevent complications in Immobilized Critical Patients, thanks to this 100% online Postgraduate Certificate”

During their passage through Intensive Care Units, it is vital that immobilized users enjoy adequate nutrition to maintain optimal immune function. In this regard, nurses play a key role in performing initial patient assessments and providing nutrition according to established health protocols. Likewise, during these procedures, these professionals carry out continuous monitoring of the individuals in order to evaluate their response to the different sustenances. In this line, the Nursing staff has the task of taking measures aimed at both prevention and management of complications related to enteral or parenteral nutrition, being an example the electrolyte imbalance.

Within this framework, TECH is developing an innovative Postgraduate Certificate in Monitoring the Immobilized Critically Ill Patient for Nursing. The academic itinerary will provide graduates with modern techniques aimed at nutrition processes (including the gastric button). In line with this, the syllabus will delve into the follow-up of the critically ill adult with pain and the most appropriate pharmacological treatment to reduce it. This will enable nurses to implement personalized care plans for critical users, promoting early mobilization and providing comprehensive support during recovery. In addition, the didactic materials will also delve into aspects such as fecal catheterization, patient mobility management with lifts or isometric exercises to improve blood circulation.

The methodology of this program reinforces its innovative character. TECH offers a 100% online educational environment, adapted to the needs of professionals who want to advance in their careers. It also employs the Relearning methodology, based on the repetition of key concepts to fix knowledge. In this way, the combination of flexibility and a robust pedagogical approach makes it highly accessible. In addition, nurses will have access to a didactic library with a variety of multimedia resources in different formats such as interactive summaries, explanatory videos and infographics.

This **Postgraduate Certificate in Monitoring the Immobilized Critically Ill Patient for Nursing** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- ♦ The development of case studies presented by experts in Advanced Life Support and Monitoring in the Critically Ill Patient
- ♦ 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 self-assessment can be used 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



The high demand for nurses specializing in Monitoring the Immobilized Critically Ill Patient makes this program a safe bet, with a constantly growing market full of opportunities”

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You will delve into the use of inhaled drugs, to verify patients' response to treatments and make modifications where necessary”

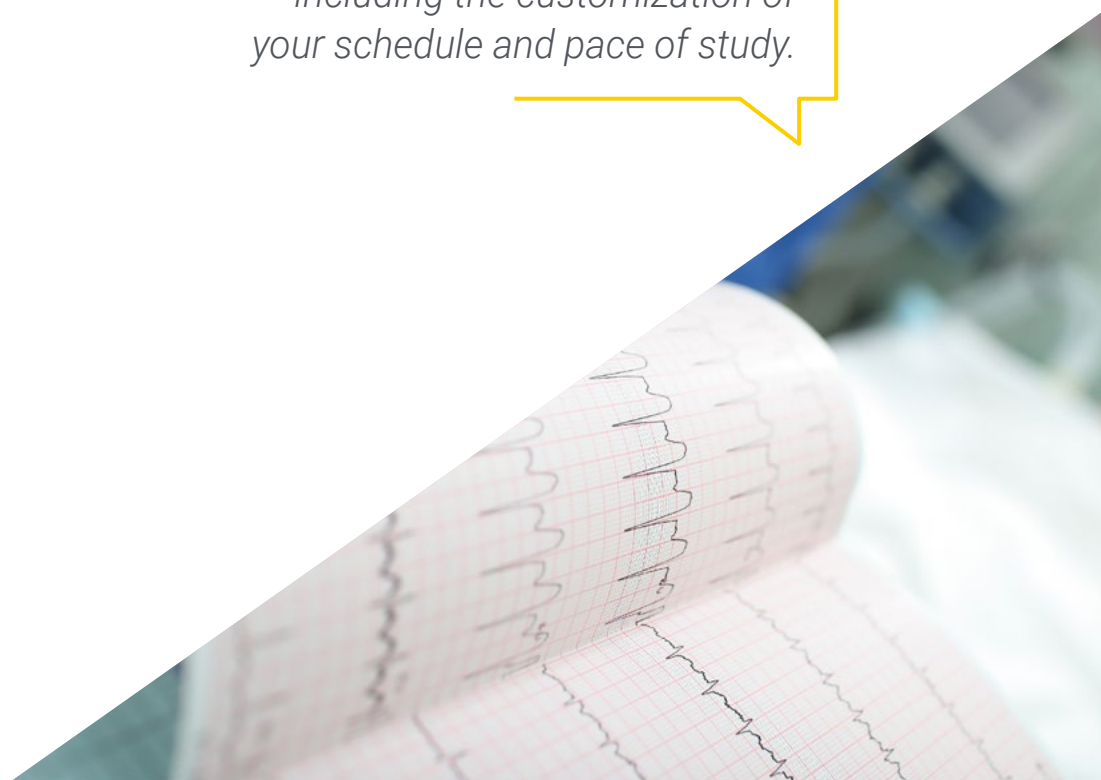
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 provide highly individualized care focused on patients' needs, promoting both their autonomy and well-being.

You will enjoy the multiple benefits of TECH's Relearning methodology, including the customization of your schedule and pace of study.



02 Objectives

Upon completion of this course, nurses will stand out for having a broad knowledge of the conditions that lead to the immobilization of Critically Ill Patients. Likewise, graduates will obtain technical skills to handle advanced monitoring equipment such as Pulse Oximeters, in order to effectively measure the cardiopulmonary function of individuals. In addition, professionals will be highly qualified to prevent common complications such as pressure ulcers, deep vein thrombosis or ventilator-associated pneumonia. In this regard, they will take appropriate measures to manage these risks and improve people's quality of life.



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You will develop advanced competencies to perform comprehensive assessments of Immobilized Critically Ill Patients, including monitoring vital signs and detecting adverse events”



General Objectives

- ◆ Identify the circulatory assistance devices available
- ◆ Establish the different forms of maintenance of an adequate nutritional status, including possible elimination disturbances
- ◆ Distinguish between pain relief treatments and drugs and how to keep the critically ill patient sedated and relaxed
- ◆ Examine alternatives for patient mobilization and bedridden patient management





Specific Objectives

- ◆ Distinguish between percutaneous and non-percutaneous circulatory assist devices
- ◆ Develop the different forms of feeding and elimination and how to maintain adequate nutrition and water balance
- ◆ Deepen among the treatment options, both pharmacological and non-pharmacological related to pain relief and keeping the patient sedated and relaxed
- ◆ Understand the management of the bedridden patient and the advantages of early mobilization

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You will meet your most ambitious career goals thanks to the distinctive approach of this program, which will provide you with state-of-the-art techniques to prevent common complications associated with immobilization”

03

Course Management

With the aim of providing a first class educational experience, TECH brings together in this Postgraduate Certificate the best professionals in the field of Monitoring the Immobilized Critically Ill Patient for Nursing. These teachers have a long professional career, in which they have achieved great results by contributing to the recovery of many people. They also keep abreast of the latest technological trends to optimize their daily practice. Therefore, they have poured into the academic materials their deep knowledge to contribute to the development of a high-level specialization.



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You will have the best teaching team and the most complete didactic materials, which will guarantee effective and fast learning”

Management



Dr. Ramirez Torres, Carmen Amaia

- Nurse of the Intensive Care Unit at the San Pedro University Hospital
- Nurse of the Intensive Care Unit at the Hospital Viamed Los Manzanos
- Radiodiagnostic Nurse at Alliance Medical
- Nurse at the Residence for Elderly People of La Rioja
- Nurse in Gynecology and Obstetrics Operating Room at La Paz University Hospital
- Doctor in Nursing Sciences by the University Jaime I of Castellón
- Master's Degree in Management and Direction of Nursing Units from the University of La Rioja
- Master's Degree in Surgical Nursing, Medical Practice Group
- Graduate in Nursing from the Autonomous University of Madrid

Professors

Ms. Soto Pérez de Burgos, Andrea

- ◆ Instrumentalist Nurse in the Surgical Area of the Viamed Los Manzanos Hospital
- ◆ Assistance Nurse at the Igual a Ti Association, Logroño
- ◆ Assistance Nurse at the Santa María de Garoña Nuclear Power Plant
- ◆ Assistance Nurse at the San Prudencio Integral Care Center for the Elderly
- ◆ Assistance Nurse at the Palliative Care Center of the Organization of Médica Vitoria
- ◆ Assistance Nurse at the Resuscitation Unit of the Santiago Apóstol Regional Hospital
- ◆ Master's Degree in Proactive Nursing Care by the Catholic University of Avila
- ◆ University Diploma in Surgical Instrumentation in Orthopedic Surgery and Traumatology in Nursing
- ◆ University Diploma in Emergencies and Nursing Attention to Critical Patients
- ◆ University Graduate in Nursing from the University of León

Ms. Homobono Urabayen, Janire

- ◆ Nurse in the Intensive Care Unit at the Viamed Los Manzanos Clinic
- ◆ Nurse in the Health Service of La Rioja
- ◆ Nurse specialized in Residential Services Management
- ◆ Master's Degree in Intensive Care Nursing at the European University Miguel de Cervantes
- ◆ Degree in Nursing from the University of La Rioja

04

Structure and Content

With a theoretical-practical approach, this university program will provide graduates with a deep understanding of the pathophysiology of the conditions that may lead to immobilization of the critically ill patient. The syllabus will deepen in the correct approach to critical user cases with sedation, non-percutaneous circulatory support or elimination alterations. Therefore, nurses will develop clinical competencies to assess and monitor the vital function of immobilized individuals. Likewise, the syllabus will provide the keys for professionals to perform specific procedures such as medication administration, secretion aspiration and management of assistive devices.



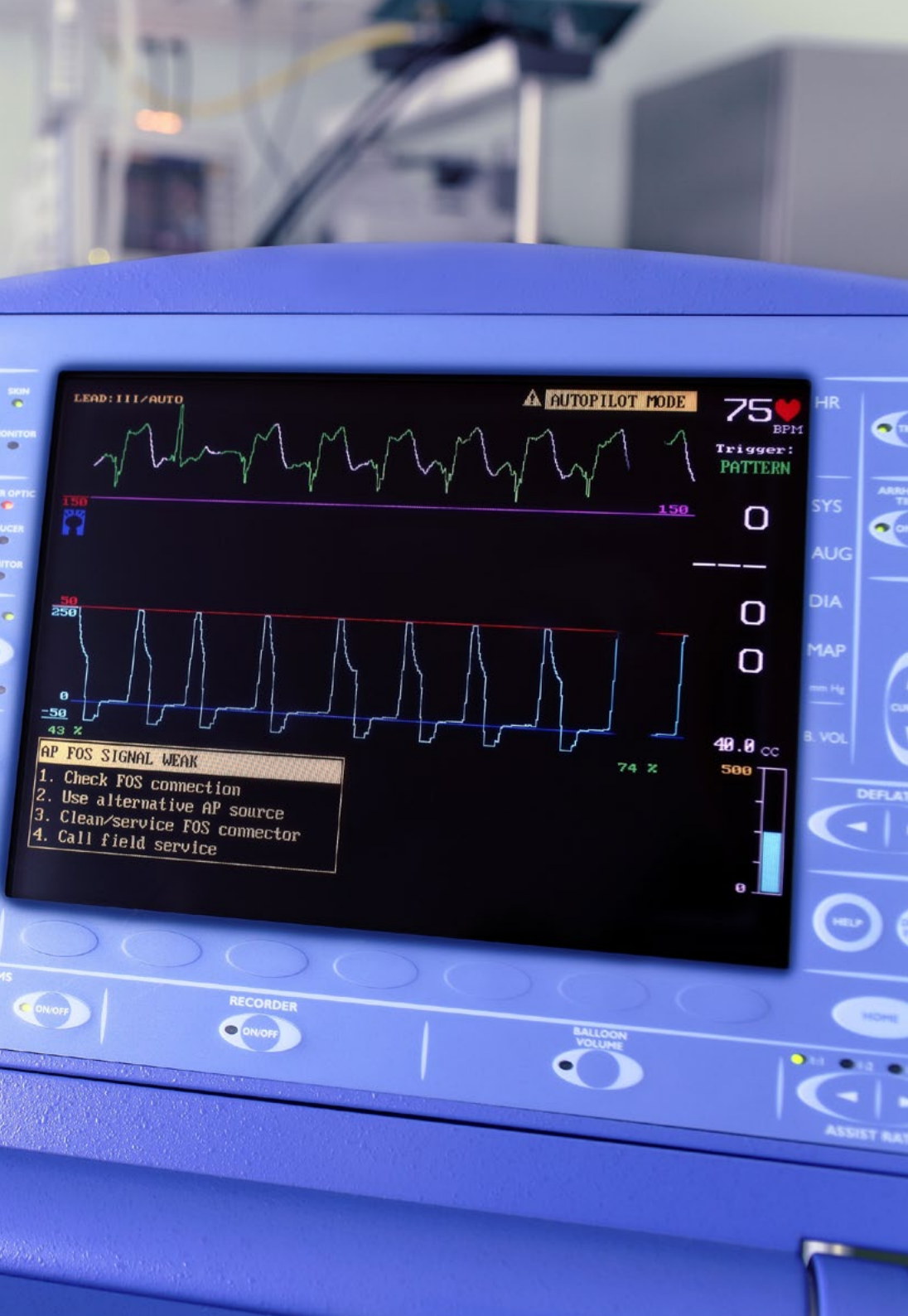
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You will update your knowledge through real cases and resolution of complex situations in simulated learning environments”

Module 1. Monitoring of the Adult Critical Patient with Circulatory, Nutritional, Analgesic and Relaxation, Mobilization and Elimination Alterations for Nursing

- 1.1 Monitoring of the Adult Critically Ill Patient with Percutaneous Circulatory Support for Nursing
 - 1.1.1 Intra-Aortic Balloon Counterpulsation Balloon (IABP) Carrier
 - 1.1.2 Impella CP Carrier
 - 1.1.3 VA ECMO Carrier
- 1.2 Monitoring of the Adult Critically Ill Patient with Non-Percutaneous Circulatory Support for Nursing
 - 1.2.1 HeartMate Carrier
 - 1.2.2 Impella 5.0 Carrier
 - 1.2.3 Levitronix Carrier
 - 1.2.4 Berlin-Heart Exco Carrier
- 1.3 Monitoring of the Critically Ill Adult Patient during Nutrition for Nursing
 - 1.3.1 Parenteral and Enteral Feeding
 - 1.3.2 Monitoring of Feeding: Biochemical Tests, Skin Assessment
 - 1.3.3 Care and Management of Parenteral, Enteral, Gastric Button Nutrition
- 1.4 Monitoring of the Adult Critically Ill Patient with Pain for Nursing Care
 - 1.4.1 Pain Monitoring
 - 1.4.2 Pharmacological Treatment
 - 1.4.3 Non-Pharmacological Treatment
- 1.5 Monitoring of the Critically Ill Patient with Sedation and/or Muscle Relaxation for Nursing
 - 1.5.1 Monitoring of Sedation and Muscle Relaxation
 - 1.5.2 Sedation and Muscle Relaxation Treatment
 - 1.5.3 Recommendations to Avoid Adverse Effects
- 1.6 Use of Inhaled Drugs in Nursing
 - 1.6.1 Frequent Medication
 - 1.6.2 Types of Devices and Indications
 - 1.6.3 Advantages and Disadvantages





- 1.7 Monitoring of the Critically Ill Adult Patient related to Mobility for Nursing
 - 1.7.1. Early Mobilization
 - 1.7.2. Isometric and Isotonic Exercises
 - 1.7.3. Monitoring of the Evolution
- 1.8 Monitoring of the Critically Ill Adult Patient Related to Immobility for Nursing
 - 1.8.1. Management of the Bedridden Patient
 - 1.8.2. Prone Position Management
 - 1.8.3. Management of the Patient's Mobility with Lifts
- 1.9 Monitoring of the Critically Ill Adult Patient Related to Elimination Disorders for Nursing: Water Balance, Renal Replacement Treatments and Therapies
 - 1.9.1. Monitoring: Water Balance
 - 1.9.2. Monitoring of Pharmacological Treatment
 - 1.9.3. Monitoring with Renal Replacement Therapy Use
- 1.10 Monitoring of the Critically Ill Adult Patient Related to Elimination Disorders for Nursing: Fecal Catheterization
 - 1.10.1. Indications for Fecal Catheterization
 - 1.10.2. Flexi-Seal Management and Monitoring
 - 1.10.3. Maintenance Care



You will be able to download all the contents of this university program, such as multimedia material or specialized readings, even after you have completed it. Enroll now!"

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.



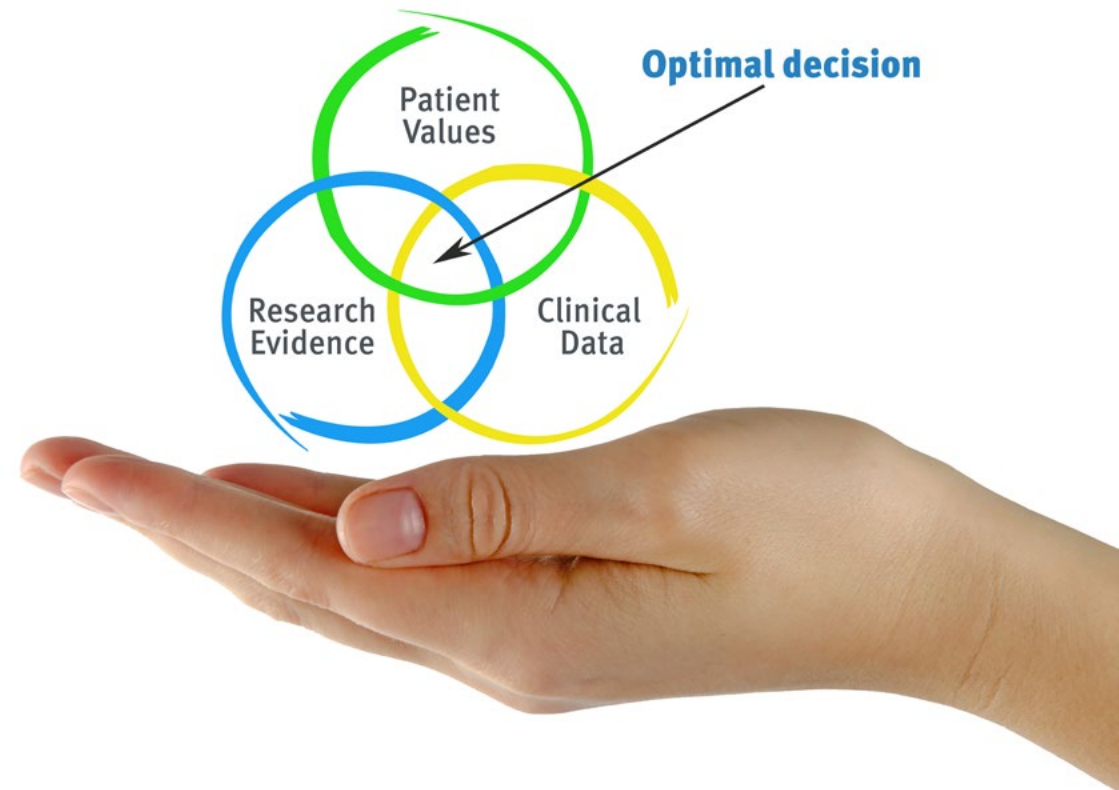
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Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

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.

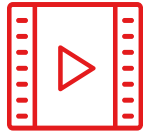
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

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 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.



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

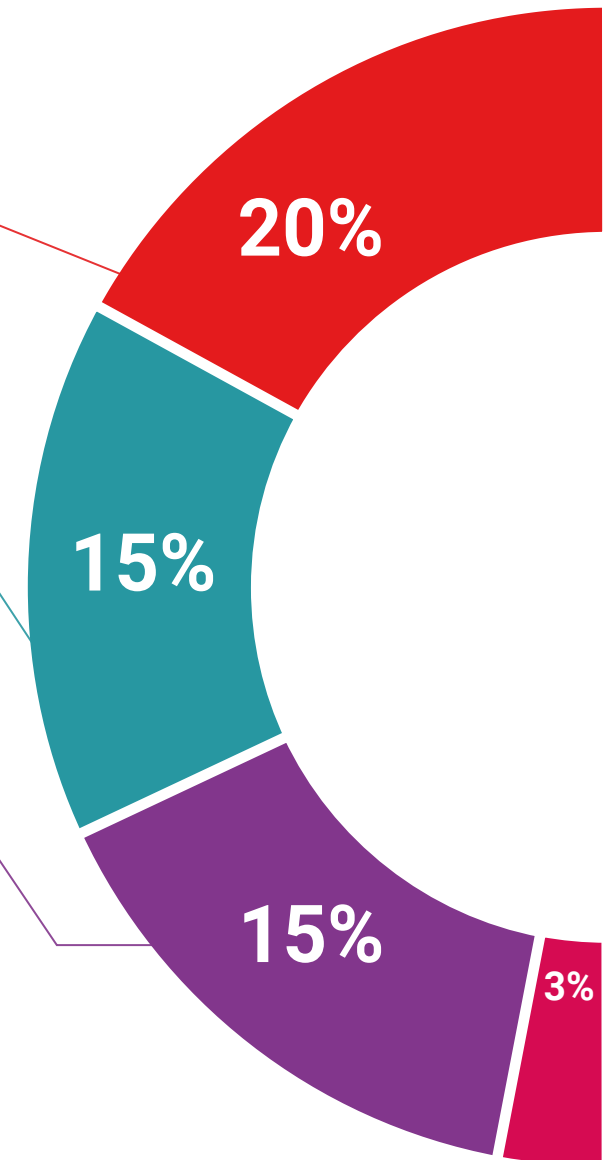
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

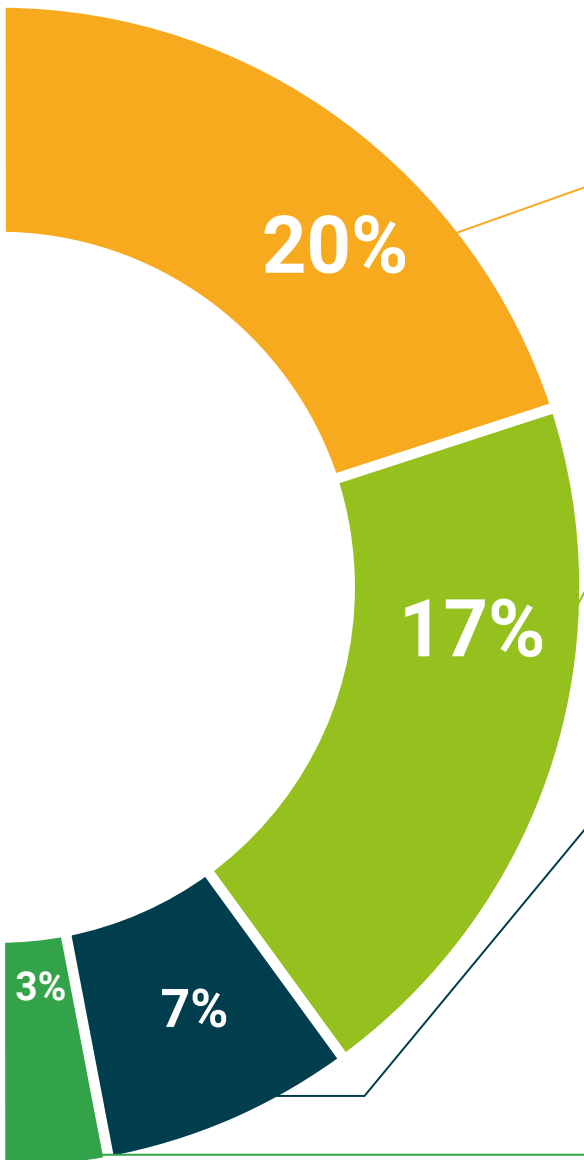
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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

The student's knowledge is periodically assessed and re-assessed throughout the program, through evaluative and self-evaluative activities and exercises: in this way, students can check how they are doing in terms of 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 Monitoring the Immobilized Critically Ill Patient for Nursing 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 Monitoring the Immobilized Critically Ill Patient for 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 Certificate in Monitoring the Immobilized Critically Ill Patient for Nursing**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



*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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Postgraduate Certificate

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