

# Postgraduate Diploma

## Respiratory and Pediatric Ostomy. Research and Innovation in Nursing Care



## Postgraduate Diploma Respiratory and Pediatric Ostomy. Research and Innovation in Nursing Care

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

Website: [www.techtute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-respiratory-pediatric-ostomy-research-innovation-nursing-care](http://www.techtute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-respiratory-pediatric-ostomy-research-innovation-nursing-care)

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# 01

# Introduction

Respiratory ostomies and those treated in the pediatric setting are a challenge for the nursing professional in terms of the comprehensive approach they require. This Postgraduate Diploma is a complete tour through the advances and specific ways of working in these ostomies, with the latest developments in this area and a high-level training program, which will boost you in your profession, with the endorsement and prestige of the largest online university in the world in Spanish.





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*A complete immersion in the most updated and successful ways of working in the areas of pediatrics and respiratory ostomy”*

Nursing research is defined as a scientific process that validates and improves existing knowledge and generates new knowledge that influences nursing practice, directly or indirectly. The professional competencies of nursing have evolved into an autonomous, responsible position with its own field of expertise. The importance of research for the development of the profession and the benefits it brings must be recognized.

The profile of the healthcare-patient relationship has changed in recent years, moving from a paternalistic model to a model in which patient autonomy has acquired fundamental importance. The patient is becoming an active character, with clear rights, such as the right to be duly informed about his or her disease or to participate in decisions affecting his or her pathology, but also with the duty to be responsible for his or her disease and state of health. Chronic diseases are the main health problem; the patient must be an active collaborating agent in the process.

The expert patient provides health education, with communication skills and empathy, to chronic patients who are able to understand their disease, take responsibility for their health and correctly manage the therapeutic options set by their health care providers.

In the respiratory area, an exhaustive classification of the types of respiratory ostomies, their functionalities and temporality, as well as the characteristics that identify them, will be carried out.

Nursing care must be planned, so, thanks to this, we will know what care is required by patients with respiratory ostomies at all times since complications can appear, so knowing them, identifying them, preventing them and treating them

The prevention of respiratory infections is another key point in healthcare, due to the morbimortality that this entails, so taking measures to prevent them and carrying out health education for the patient about them is a basic point in our day-to-day work.

Respiratory physiotherapy and phonetic and swallowing rehabilitation will help tracheostomized patients to adapt to their new life situation, as well as to avoid complications.

As for pediatric ostomy, given its importance and peculiarities, this module has been developed to develop all the knowledge and skills required for the care of these patients.

Although an ostomy, whether in an adult or a child, is still an ostomy, those performed in the pediatric age require more specific knowledge from nurses, without them, their care and treatment will not be performed in an optimal way.

Parents will play a fundamental role in this process, they will be the caregivers and companions of the children in this process, so not only the children are cared for, but also the parents.

The skin of pediatric patients can be greatly affected if the necessary resources are not available, so knowing the characteristics of children and all the devices available will be key to patient care.

For some children their ostomy will be with them for many years or the rest of their lives, so knowing the social impact it can have and addressing the psychosocial aspect is critical with these patients.

This **Postgraduate Diploma in Respiratory and Pediatric Ostomy. Research and Innovation in Nursing Care** contains the most complete and up to date scientific program on the market. The most important features of the Specialist Diploma program are:

- ♦ Clinical cases presented by experts. Its graphic, schematic and eminently practical contents, with which they are conceived, gather scientific and assistance information on those medical disciplines that are essential for professional practice.
- ♦ Diagnostic and therapeutic novelties on the care of patients with digestive pathologies.
- ♦ Presentation of practical workshops on procedures, diagnosis, and treatment techniques.
- ♦ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ♦ It includes theoretical lessons, questions to the expert, discussion forums on controversial topics and individual reflection papers.
- ♦ Content that is accessible from any fixed or portable device with an Internet connection.

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*An exceptional opportunity to give your CV a boost with intensive and efficient training, but fully compatible with your professional and personal life ”*

Its teaching staff includes reference professionals, who contribute their work experience to this refresher program, in addition to other professionals specializing in the digestive system service.

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 this 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. This will be done with the help of an innovative interactive video system developed by recognized experts in nursing care in internal digestive pathology care and with extensive teaching experience.

*During the course you will acquire practical experience through simulated learning environments based on real situations and cases*



# 02 Objectives

The objective of this course is to offer you the most complete training course through all aspects of nursing intervention in ostomy care. A complete training that will allow you to broaden your knowledge and give you the security and solvency of top-level professionals.





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*A very complete approach to the most relevant aspects of the quality of life of ostomized patients, from the point of view of nursing care"*



## General Objectives

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### Module 1. Respiratory Ostomies

- ◆ Become familiar with theoretical knowledge and skills that support the nursing practice in the care of patients with respiratory ostomies.

### Module 2. Infantile Ostomy

- ◆ Apply the theoretical knowledge and skills necessary to provide appropriate care to the ostomized pediatric patient and his/her family.

### Module 3. Research and Innovation Applied to Caregiving

- ◆ Identify the new areas to build nursing knowledge to improve the care of the ostomized patient.



*Our goal is to achieve academic excellence and to help you achieve it too"*





## Specific Objectives

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### Module 1. Respiratory Ostomies

- ♦ Recall the anatomical and physiological basis of the respiratory system.
- ♦ Identify the diseases and pathological processes that will generate the performance of respiratory ostomies.
- ♦ Identify each type of respiratory ostomies, their characteristics, peculiarities and health needs.
- ♦ Identify surgical techniques used for the formation of respiratory ostomies.
- ♦ Identify the complications that may arise in respiratory ostomies, as well as their prevention and treatment.
- ♦ Know in depth the importance of respiratory physiotherapy in the tracheostomized patient, how it is performed and how it improves the mobilization of secretions.
- ♦ Manage phonetic and swallowing rehabilitation in patients with respiratory ostomies, as well as their repercussion and morbimorbidity.

### Module 2. Infantile Ostomy

- ♦ Identify the characteristics and peculiarities of the ostomized pediatric patient, as well as the best way to apply quality care.
- ♦ Identify the diseases and pathological processes that will generate the performance of pediatric ostomies.
- ♦ Identify the importance of the role of parents in the treatment and care of pediatric ostomized patients.

### Module 3. Research and Innovation Applied to Caregiving

- ♦ Manage the necessary tools to be able to generate quality nursing knowledge and share it with the rest of the professionals.
- ♦ Know in depth the importance of nursing research in the field of health.
- ♦ Identify new areas of health care.
- ♦ Manage the importance of social networks in patient care.
- ♦ Identify the importance of the expert patient in the health care setting.

03

# Course Management

A teaching staff made up of leading professionals who bring to this training the experience of their work. Additionally, other specialists of recognized prestige have participated in the creation of the contents, complementing the program in an interdisciplinary manner.



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*The best professionals in the sector, at your fingertips in a high quality training program, created to propel you towards excellence"*

## Management



### Rodríguez Perea, Ana María

- ♦ Diploma in Nursing
- ♦ Master's Degree in Health Management and Direction Health Planning for Health Executives
- ♦ Associate Professor Rey Juan Carlos University
- ♦ Nursing Supervisor of General and Digestive Surgery Hospitalization at the Rey Juan Carlos University Hospital

## Professors

### **Arroyo Girón, Rocío**

- ♦ Nurse in general and digestive surgery hospitalization University Hospital Rey Juan Carlos.

### **Carrasco Gil, Vanessa**

- ♦ Specialist in pediatric nursing, deputy director of nursing, University Hospital Rey Juan Carlos.

### **Crespo González, Juan**

- ♦ Hospitalization nurse, general and digestive surgery, University Hospital Rey Juan Carlos.

### **Jiménez Buendía, Irene**

- ♦ Nurse in general and digestive surgery hospitalization University Hospital Rey Juan Carlos.

### **Martin Castro, Rafael**

- ♦ Physiotherapist at the University Hospital Rey Juan Carlos.

### **Santa Escolástica Villoria, Sonia**

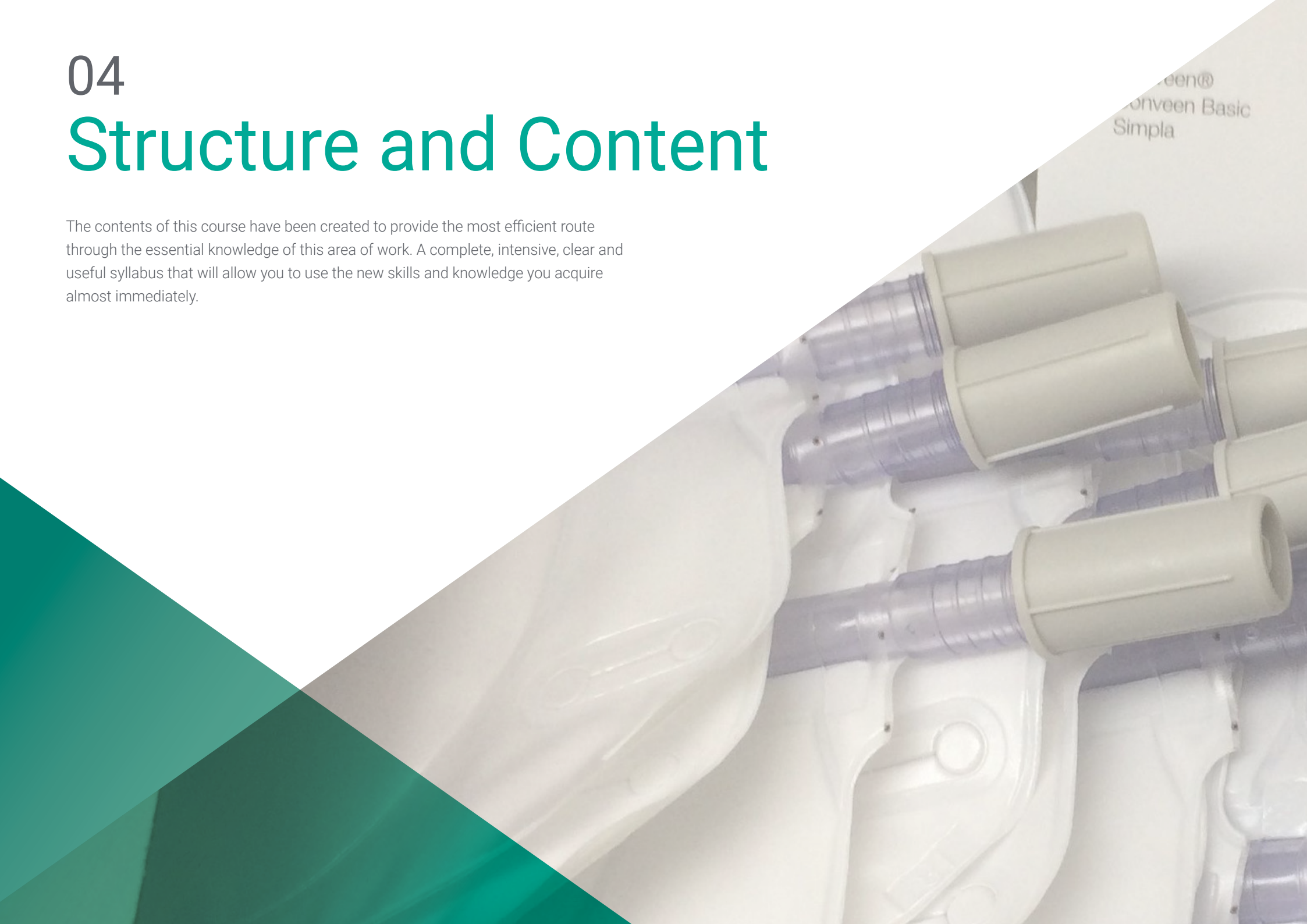
- ♦ Nursing supervisor of ENT, traumatology and urology hospitalization at University Hospital Rey Juan Carlos.



# 04

# Structure and Content

The contents of this course have been created to provide the most efficient route through the essential knowledge of this area of work. A complete, intensive, clear and useful syllabus that will allow you to use the new skills and knowledge you acquire almost immediately.





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*A complete training program created by experts in the field that will take you through the most comprehensive and effective compendium of knowledge in the online teaching market"*

### Module 1. Respiratory Ostomies

- 1.1. Anatomical and Physiological Aspects of the Respiratory System
- 1.2. Diseases and Pathologies of the Respiratory System
- 1.3. Types of Respiratory Ostomies
- 1.4. Own Characteristics
- 1.5. Early Complications
- 1.6. Late Complications
- 1.7. Nursing Care
- 1.8. Types of Devices and their Characteristics
- 1.9. Respiratory Physiotherapy
- 1.10. Swallowing and Phonation Rehabilitation

### Module 2. Infantile Ostomy

- 2.1. Indications for Ostomies in Pediatrics
  - 2.1.1. Congenital Malformations
  - 2.1.2. Acquired Pathologies
- 2.2. Types of Ostomies
- 2.3. Duration of Ostomies in Childhood
- 2.4. Characteristics of Ostomies in Infancy
- 2.5. Pediatric Stoma Care
- 2.6. Feeding of the Ostomized Child
- 2.7. Complications of Pediatric Ostomies
- 2.8. Role of Parents in the Face of Pediatric Ostomy. Role of the Caregiver
- 2.9. Social Impact. Future Problems
- 2.10. Model of Care in Pediatric Ostomies





### Module 3. Research and Innovation Applied to Care

- 3.1. Nursing Research
- 3.2. Research Applied to Care
- 3.3. Ethical and Legal Aspects.
- 3.4. Communication of Nursing Care. How to Generate Knowledge
- 3.5. How to Make a Scientific Poster
- 3.6. How to Communicate Verbally
- 3.7. New Communication Spaces
- 3.8. Expert Patient
- 3.9. Social Networks
- 3.10. Nurse Prescription

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*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. 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:

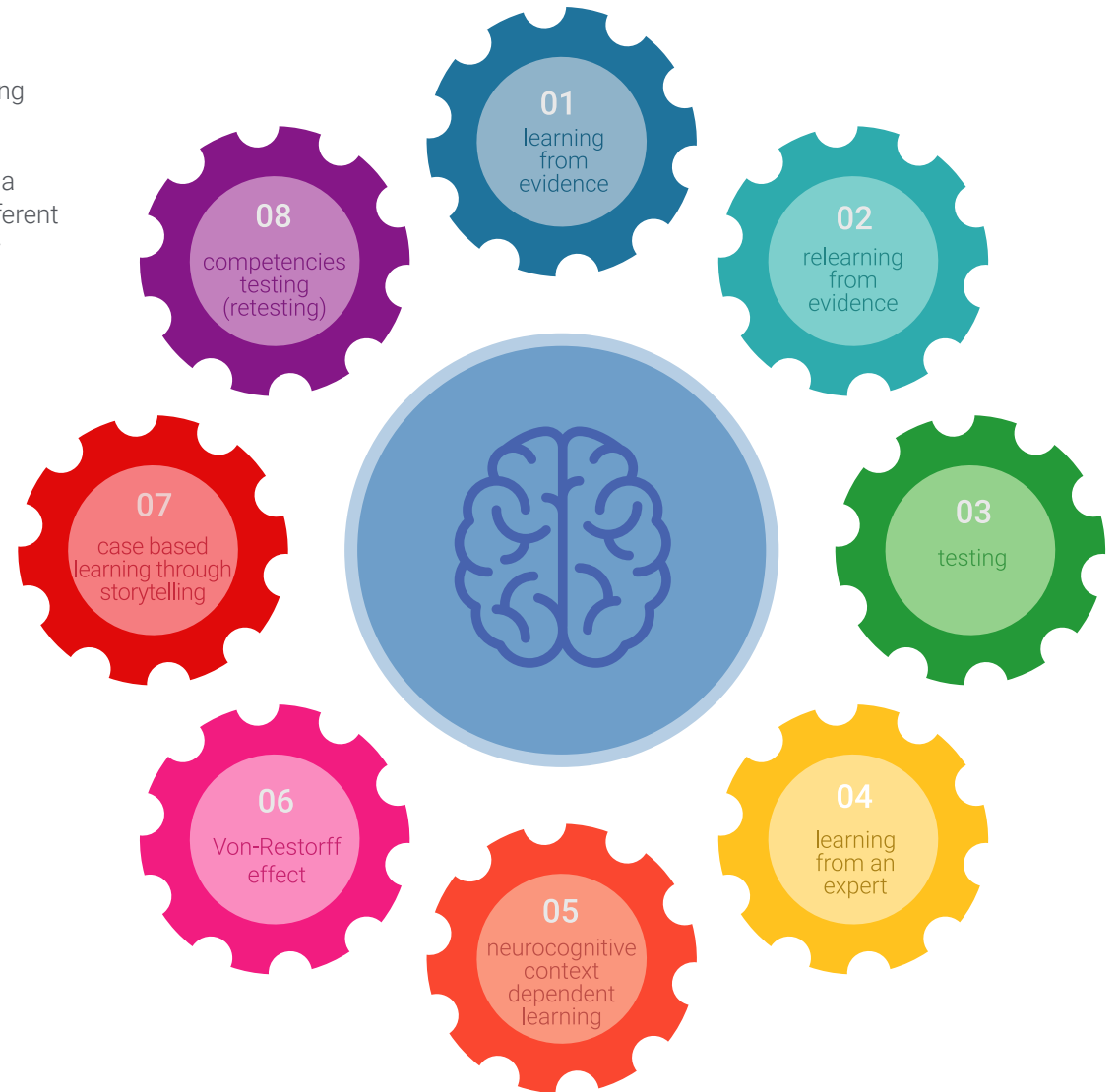
1. Nurses who follow this method not only grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the nursing professional to better integrate knowledge acquisition into 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 university program.



## 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 specialties regardless of from the 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 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 (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 the development of attention and the resolution of 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 future difficult 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 en Respiratory and Pediatric Ostomy. Research and Innovation in Nursing Care guarantees you, in addition to the most rigorous and up to date training, access to a Postgraduate Diploma issued by TECH Global University.



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*Successfully complete this training and receive your certificate without travel or laborious paperwork"*

This private qualification will allow you to obtain a **Postgraduate Diploma in Respiratory and Pediatric Ostomy. Research and Innovation in Nursing Care** 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 Respiratory and Pediatric Ostomy. Research and Innovation in Nursing Care**

Modality: **online**

Duration: **6 months**

Accreditation: **18 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.

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



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