

# Postgraduate Diploma

## Non-Digestive Pathology and Nutritional Deficiencies in Children for Nurses





## Postgraduate Diploma Non-Digestive Pathology and Nutritional Deficiencies in Children for Nurses

- » 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-non-digestive-pathology-nutritional-deficiencies-children-nurses](http://www.techtitute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-non-digestive-pathology-nutritional-deficiencies-children-nurses)

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# 01

# Introduction

Specialization in Nutrition is the essential response of the Professional to the care and preventive needs of the population in matters of food and health. In pediatric pathology, nutrition intervenes as an etiological factor and as a complication of other diseases. Therefore, there is a growing interest in the study of food and nutrition in the genesis, treatment and support of a large number of pathologies in children as future healthy adults.





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*Improve your knowledge in Non-Digestive Pathology and Nutritional Deficiencies in Children through this program, where you will find the best teaching material with real cases”*

Given the limited training that health care professionals acquire in their academic training on this subject, it is not surprising that they are interested in expanding their knowledge of child nutrition in order to meet the needs of their patients.

Specializing in nutrition is essential for professionals in order to address the care and preventive needs of the population in matters of food and health.

This program offers the student the possibility of expanding and updating knowledge, using the latest educational technology. Thus, it shows a global vision of nutrition in children with diseases that affect nutritional status, while also focusing on the most important and innovative aspects of nutrition in the pediatric age group in the case of diseases in which nutrition plays a highly relevant role.

This program allows for specialization in the field of clinical nutrition in areas of special interest such as nutrigenetics and nutrigenomics, nutrition and obesity, hospital dietetics and nutritional trends.

This **Postgraduate Diploma in Non-Digestive Pathology and Nutritional Deficiencies in Children for Nurses** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Clinical cases presented by experts in non-digestive pathologies and nutritional deficiencies in children
- ♦ 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
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Special emphasis on the research methodology used in Non-Digestive Pathology and Nutritional Pathologies in Children
- ♦ 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



*This Postgraduate Diploma in Non-Digestive Pathology and Nutritional Deficiencies will help you keep up to date in order to provide comprehensive quality care to your patients”*

“

*This Postgraduate Diploma is the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge in Non-Digestive Pathology and Nutritional Deficiencies in Children for Nurses, you will obtain a qualification from TECH Technological University”*

Its teaching staff includes professionals from the field of pediatric nutrition, who contribute their work experience to this training, as well as renowned specialists from reference 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 an immersive training experience designed to train for real-life situations.

This program is designed around Problem Based Learning, where the nurse must try to solve the different professional practice situations that arise during the course. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in Non-Digestive Pathology and Nutritional Deficiencies in Children

*Increase your decision-making confidence by updating your knowledge through this Postgraduate Diploma.*

*Take the opportunity to learn about the latest advances in this field and apply it to your daily practice.*



# 02 Objectives

The program's primary objective is focused on theoretical and practical learning, so that the doctor is able to master Non-Digestive Pathology and Nutritional Deficiencies in both a practical and rigorous manner.



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*This Postgraduate Diploma allows you to update your knowledge in Non-Digestive Pathology and Nutritional Deficiencies, with the use of the latest educational technology, to contribute to decision making with quality and confidence”*



## General Objectives

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- Update the nurse's knowledge on new trends in human nutrition, in both healthy and pathological situations
- Promote work strategies based on the practical knowledge of the new trends in nutrition and its application to child pathologies, where nutrition plays a fundamental role in treatment
- Encourage the acquisition of technical skills and abilities, through a powerful audiovisual system, and the possibility of development through online simulation workshops and/or specific training
- Encourage professional stimulation through continuous education and research
- Train the professional for research into patients with nutritional problems



*Take the step to get up-to-date on the latest developments in Non-Digestive Pathology and Nutritional Deficiencies in Children"*





## Specific Objectives

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- ◆ Analyze the different methods for assessing nutritional status
- ◆ Interpret and integrate anthropometric, clinical, biochemical, hematological, immunological, and pharmacological data in the patient's nutritional assessment and dietary-nutritional treatment
- ◆ Early detection and evaluation of quantitative and qualitative deviations from the nutritional balance due to excess or deficiency
- ◆ Describe the composition and utilities of new foods
- ◆ Explain the relationship of physiology and nutrition in the different stages of infant development
- ◆ Analyze the implications of nutrition in the growth process and in the prevention and treatment of different childhood pathologies
- ◆ Describe the nutritional requirements in the different periods of childhood
- ◆ Perform nutritional assessment in pediatrics
- ◆ Define the dietary management of children with nephropathy
- ◆ Explain the latest evidence on food allergies and intolerances
- ◆ Identify dietary factors related to bone metabolism
- ◆ Identify children suffering from malnutrition
- ◆ Describe the correct nutritional support for a malnourished child
- ◆ Classify the different types of malnutrition and their impact on the developing organism
- ◆ Reflect on the etiology, repercussions, and treatment of childhood obesity
- ◆ Explain the nutritional treatment of the most common deficiency diseases in our environment
- ◆ Define the role that fats play in children's diets
- ◆ Assess the psychological and physiological aspects involved in eating disorders in young children
- ◆ Identify eating behavior disorders

03

# Course Management

This program includes highly regarded health professionals in the field of Non-Digestive Pathology and Nutritional Deficiencies in Children for Nurses in its teaching staff, who bring the experience of their work to this training.

In addition, renowned specialists, members of prestigious national and international scientific communities, are involved in designing and preparing the program.





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*Learn about the latest advances in Non-Digestive Pathology and Nutritional Deficiencies in Children for Nurses from leading professionals"*

## Management



### Ms. Auni3n Lavar3as, Mar3a Eugenia

- ◆ Pharmacist and Clinical Nutrition Expert
- ◆ "Author of the reference book in the field of Clinical Nutrition "*Dietetic Management of Overweight in the Pharmacy Office*". (Panamerican Medical Publishing House)
- ◆ Pharmacist with extensive experience in the public and private sector
- ◆ Pharmacist in Valencia Pharmacy
- ◆ Pharmacy Assistant in the British pharmacy and health and beauty retail chain Boots, UK
- ◆ Degree in Pharmacy and Food Science and Technology. University of Valencia
- ◆ Director of the University Course "*Dermocosmetics in the Pharmacy Office*"



# 04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best educational centers and universities in the country, aware of the current relevance of innovative training, and committed to quality teaching through new educational technologies.





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*A comprehensive teaching program, structured in well-developed teaching units, oriented towards efficient and swift learning that is compatible with your personal and professional life"*

## Module 1. Infant Malnutrition.

- 1.1. Childhood Malnutrition and Undernutrition
  - 1.1.1. Psychosocial Aspects
  - 1.1.2. Pediatric Assessment
  - 1.1.3. Treatment and Monitoring
- 1.2. Nutritional Anemias
  - 1.2.1. Other Nutritional Anemias in Childhood
- 1.3. Vitamin and Trace Element Deficiencies
  - 1.3.1. Vitamins
  - 1.3.2. Trace Elements
  - 1.3.3. Detection and Treatment
- 1.4. Fats in Infant Diets
  - 1.4.1. Essential Fatty Acids
- 1.5. Childhood Obesity
  - 1.5.1. Prevention
  - 1.5.2. Impact of Childhood Obesity
  - 1.5.3. Nutritional Treatment

## Module 2. Childhood Nutrition and Pathologies

- 2.1. Feeding Difficulties and Disorders in Children Small
  - 2.1.1. Physiological Aspects
  - 2.1.2. Psychological Aspects
- 2.2. Eating Disorders
  - 2.2.1. Anorexia
  - 2.2.2. Bulimia
  - 2.2.3. Others
- 2.3. Inborn Errors of Metabolism
  - 2.3.1. Principles for Dietary Treatment
- 2.4. Nutrition in Dyslipidemias
  - 2.4.1. Nutritional Mechanisms to Prevent Dyslipidemias
  - 2.4.2. Nutritional Approaches for Treating Dyslipidemias



- 2.5. Nutrition in Diabetic Children
  - 2.5.1. Repercussions of Diabetes on the Child's Nutrition
  - 2.5.2. Mechanisms to Avoid Related Malnutrition
- 2.6. Nutrition in Autistic Children
  - 2.6.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.6.2. Mechanisms to Avoid Related Malnutrition
- 2.7. Nutrition in Children with Cancer
  - 2.7.1. Repercussions of Disease and Treatments in the Child's Nutrition
  - 2.7.2. Mechanisms to Avoid Related Malnutrition
- 2.8. Nutrition in Children with Chronic Pulmonary Pathology
  - 2.8.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.8.2. Mechanisms to Avoid Related Malnutrition
- 2.9. Nutrition in Children with Nephropathy
  - 2.9.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.9.2. Mechanisms to Avoid Related Malnutrition
  - 2.9.3. Special Diets
- 2.10. Nutrition in Children with Food Allergies and/or Intolerances
  - 2.10.1. Special Diets
- 2.11. Childhood and Bone Pathology Nutrition
  - 2.11.1. Mechanisms for Good Bone Health in Childhood



*A unique, key, and decisive training experience to boost your professional development"*

05

# Methodology

This training program offers 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. 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.

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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 Harvard 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 high 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 multimedia content presentation training Exclusive system 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 Diploma in Non-Digestive Pathology and Nutritional Deficiencies in Children for Nurses guarantees, in addition to the most rigorous and updated training, access to a Postgraduate Diploma 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 Non-Digestive Pathology and Nutritional Deficiencies in Children for Nurses** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery\*.

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

Title: **Postgraduate Diploma in Non-Digestive Pathology and Nutritional Deficiencies in Children for Nurses**

Official N° of Hours: **475 h.**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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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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