

# Postgraduate Diploma

## Malnutrition and Digestive Pathology in Childhood for Nurses



## Postgraduate Diploma Malnutrition and Digestive Pathology in Childhood for Nurses

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 19 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-malnutrition-digestive-pathology-childhood-nurses](http://www.techtute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-malnutrition-digestive-pathology-childhood-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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*This training helps professionals in this field to increase their ability to succeed, which results in better practice and performance that will have a direct social benefit for the whole community"*

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. It offers a global vision of child malnutrition while focusing on the most important and innovative aspects of nutrition in pediatric digestive pathologies, including the diseases in which nutrition plays from the highly relevant role.

It is a 100% online training program in which you will find a multitude of real cases which will allow you to fully immerse yourself in the study of this area in a clear and concise way. It is the best option to be able to continue updating your knowledge without leaving your professional and family life to one side.

This program offers the possibility to expand and update knowledge of this subject, with the use of the latest educational technology. It offers a global vision of child malnutrition while focusing on the most important and innovative aspects of nutrition in pediatric digestive pathologies, including the diseases in which nutrition plays from the highly relevant role.

This Postgraduate Diploma 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 Malnutrition and Digestive Pathology in Childhood for Nurses** contains the most complete and up-to-date scientific program on the market.

The most important features of the Postgraduate Diploma are:

- ◆ Clinical cases presented by experts in Malnutrition and Digestive Pathology
- ◆ Latest information on Malnutrition and Digestive Pathology
- ◆ Practical exercises where self-assessment can be used to improve learning
- ◆ Special emphasis on methodologies based on Malnutrition and Digestive Pathology
- ◆ 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



*Update your knowledge through the Postgraduate Diploma in Malnutrition and Digestive Pathology in Childhood for Nurses”*

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*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 in Malnutrition and Digestive Pathology in Childhood for Nurses, you will obtain a Postgraduate Diploma from TECH Global University"*

The teaching staff includes professionals from the field of Digestive Pathology, who bring their experience to this training program, as well as renowned specialists from leading scientific societies.

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, whereby the Nurse must try to solve different professional practice situations that arise during the program. For this purpose, the professional will be assisted by an innovative interactive video system created by renowned and experienced experts in Malnutrition and Digestive Pathology in Childhood.

*Increase your confidence in decision making by updating your knowledge through this program.*

*Make the most of the opportunity to learn about the latest advances in Malnutrition and Digestive Pathology.*



# 02 Objectives

The main objective of the program is to develop theoretical and practical learning, so that nurses can master Malnutrition and Digestive Pathology in Childhood for Nurses in a practical and rigorous way.







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*This Postgraduate Diploma will allow you to update your knowledge in Malnutrition and Digestive Pathology with the use of the latest educational technology, to contribute with quality and security to decision making"*



## General Objectives

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- ◆ Update the nurse's knowledge on new trends in human nutrition in both health and pathological situations through evidence-based medicine
- ◆ Promote work strategies based on the practical knowledge of the new trends in nutrition and their application to child pathologies
- ◆ 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 Malnutrition and Digestive Pathology in Childhood for Nurses”*





## 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
- ◆ Evaluate and prescribe physical activity as a factor involved in nutritional status
- ◆ Review the pathogenesis and update the treatment of inborn errors of metabolism
- ◆ Explain the treatment of dyslipidemias and the role that nutrition plays in their genesis and treatment
- ◆ Manage diabetic children's diet
- ◆ Review the rationale for dietary support of acute diarrhea
- ◆ Describe the management of nutritional support in inflammatory diseases
- ◆ Reflect on the relationship between constipation and infant nutrition
- ◆ Identify exclusion foods in the diets of children with celiac disease. Explain the relationship of physiology and nutrition in the different stages of infant development
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- ◆ Manage diabetic children's diet
- ◆ Review the rationale for dietary support of acute diarrhea
- ◆ Describe the management of nutritional support in inflammatory diseases
- ◆ Reflect on the relationship between constipation and infant nutrition
- ◆ Identify exclusion foods in the diets of children with celiac disease

03

# Course Management

The program's teaching staff includes leading specialists in Clinical Nutrition in Pediatrics and other related areas, who bring their years of work experience to this training program. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.



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*Learn the latest advances in Clinical Nutrition in Pediatric procedures from leading professionals”*

## International Guest Director

Lara Al-Dandachi is one of the few **registered dietitians** in California, and the rest of the United States, to hold a **triple certification** in Diabetes Care **specialty CDES**, **Advanced Diabetes Management BC-ADM** and in **Obesity** with Subspecialty Weight Management (CSOWM). Her work as a **clinical nutritionist** has led her to lead projects such as UCLA Health's Gonda Diabetes Prevention Program, which has received **special recognition** from the **Center for Disease Control and Prevention (CDC)** and has allowed her to work with multiple cohorts.

In addition, she coordinates the **Obesity Reduction Program (PRO)** as **Director of Nutrition**. From that group, she is in charge of developing and updating the professional curriculum for **overweight education in adults and adolescents**, as well as training new dietitians. In all of these settings, she counsels her patients on how to improve their lifestyle by incorporating **healthy eating** habits, **increased physical activity** and the fundamentals of **Integrative Medicine**.

At the same time, Al-Dandachi continually seeks to stay at the forefront of **clinical research** in Nutrition. She has attended the **Harvard Blackburn Course in Obesity Medicine** twice. In those participations, she has received the Certificate of Training in Pediatric and Adult Obesity through the **Commission on Dietetic Registration (CDR)**, the accrediting agency of the **American Academy of Nutrition and Dietetics**.

Also, her mastery of this healthcare field allows her to provide **personalized care** to patients with rare conditions such as latent **Autoimmune Diabetes** in adulthood. She has also worked in her **Public Health** internship as a volunteer, collaborating with **underprivileged populations** in initiatives for HIV education and prevention, the Head Start program, among others.



## Ms. Al-Dandachi, Lara

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- Nutrition Director of the Obesity Reduction Program at UCLA Health, California, United States
- Clinical Dietitian with CareMore Health Plan
- Director of Nutrition at Hollywood Presbyterian Medical Center
- Clinical Dietitian at Sodexo Health Care Services
- Clinical Dietitian at Beverly Hospital
- Master's Degree in Public Health at Loma Linda University
- Bachelor of Science in Nutrition Science and Dietetics at the American University of Beirut

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*Thanks to TECH, you will be able to learn with the best professionals in the world”*

## 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 hospitals and universities in the country, who are aware of the relevance of up-to-date training to be able to intervene in the world of nursing, and who are committed to quality teaching through new educational technologies.





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*This Postgraduate Diploma in Malnutrition and Digestive Pathology in Childhood for Nurses contains the most complete and up-to-date scientific program on the market”*

## 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. Undernourishment
  - 1.2.1. Clinical Classification
  - 1.2.2. Repercussions of a Developing Organism
- 1.3. Iron Deficiency
  - 1.3.1. Other Nutritional Anemias in Childhood
- 1.4. Vitamin and Trace Element Deficiencies
  - 1.4.1. Vitamins.
  - 1.4.2. Trace Elements
  - 1.4.3. Detection and Treatment
- 1.5. Fats in Infant Diets
  - 1.5.1. Essential Fatty Acids
- 1.6. Childhood Obesity.
  - 1.6.1. Prevention
  - 1.6.2. Impact of Childhood Obesity
  - 1.6.3. Nutritional Treatment

## Module 2. Childhood Nutrition and Pathologies

- 2.1. Nutrition of Children with Oral Pathologies
  - 2.1.1. Major Childhood oral pathologies
  - 2.1.2. Repercussions of These Alterations on the Child's Nutrition
  - 2.1.3. Mechanisms to Avoid Related Malnutrition
- 2.2. Nutrition of Infants and Children with Gastroesophageal Reflux
  - 2.2.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.2.2. Mechanisms to Avoid Related Malnutrition



- 2.3. Nutrition in Acute Diarrhea Situation
  - 2.3.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.3.2. Mechanisms to Avoid Related Malnutrition
- 2.4. Nutrition in Children with Celiac Disease
  - 2.4.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.4.2. Mechanisms to Avoid Related Malnutrition
- 2.5. Nutrition in Children with Inflammatory Bowel Disease
  - 2.5.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.5.2. Mechanisms to Avoid Related Malnutrition
- 2.6. Nutrition in Children with Digestive Malabsorption Syndrome
  - 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 Constipation
  - 2.7.1. Nutritional Mechanisms to Prevent Constipation
  - 2.7.2. Nutritional Approaches for Treating Constipation
- 2.8. Nutrition in Children with Liver Disease
  - 2.8.1. Repercussions of These Alterations on the Child's Nutrition
  - 2.8.2. Mechanisms to Avoid Related Malnutrition
  - 2.8.3. Special Diets



*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 Malnutrition and Digestive Pathology in Childhood for Nurses guarantees, in addition to the most rigorous and up-to-date training, access to a qualification issued by TECH Global University.



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

This private qualification will allow you to obtain a **Postgraduate Diploma in Malnutrition and Digestive Pathology in Childhood for Nurses** 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.

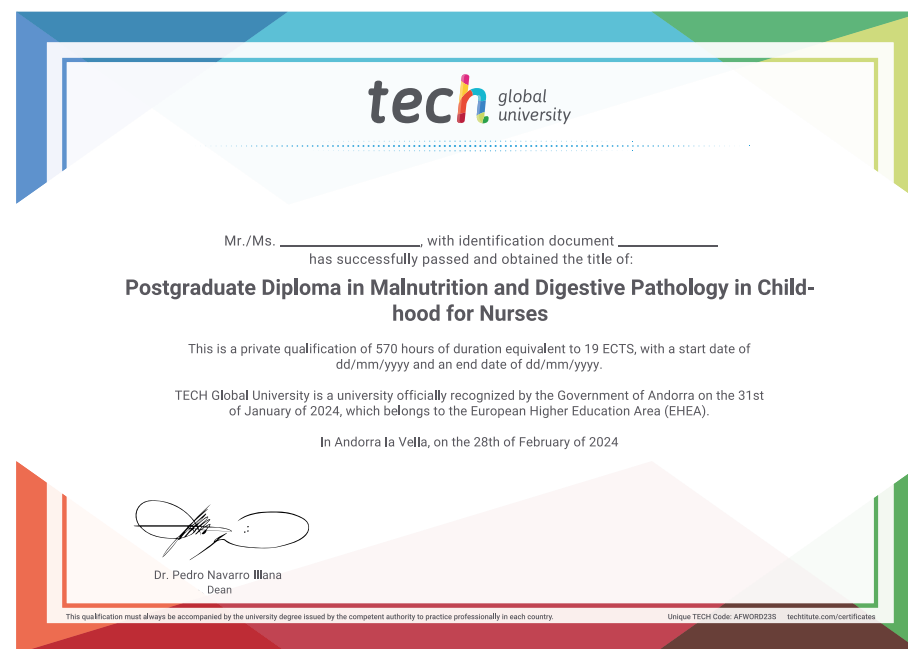
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Malnutrition and Digestive Pathology in Childhood for Nurses**

Modality: **online**

Duration: **6 months**

Accreditation: **19 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  
development language  
classroom



**Postgraduate Diploma**  
Malnutrition and Digestive  
Pathology in Childhood  
for Nurses

- » Modality: online
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