

# Postgraduate Diploma

## Non-Digestive Pathology and Nutritional Deficiencies in Children



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

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 16 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-non-digestive-pathology-nutritional-deficiencies-children](http://www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-non-digestive-pathology-nutritional-deficiencies-children)

# Index

01

Introduction

---

*p. 4*

02

Objectives

---

*p. 8*

03

Course Management

---

*p. 12*

04

Structure and Content

---

*p. 16*

05

Methodology

---

*p. 20*

06

Certificate

---

*p. 28*

# 01

# Introduction

Specialization in nutrition is the essential response of the medical professional to the assistance and preventive needs of the population in matters of nutrition and health. Nutritional deficiencies can cause serious problems in children, therefore, when there is a case of this type, it is necessary to have an adequate monitoring and care to reverse the problem and solve cases of non-digestive pathologies that affect the health of children.





“

*An in-depth knowledge of non-digestive pathologies and nutritional deficiencies in children will allow physicians to act with greater safety towards their patients"*

Understanding the nutritional problems that can affect the very young is a fundamental task for pediatricians, since an early diagnosis can prevent complications in the patient. 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.

This program offers the student the possibility of deepening and updating knowledge, using the latest educational technology. To this end, it offers a global vision of nutrition in the child with diseases that affect nutritional status while focusing on the most important and innovative aspects of feeding in the pediatric age, in the case of diseases in which feeding plays a highly relevant role.

Specifically, this Postgraduate Diploma goes into areas of special interest such as: nutrigenetics, nutrigenomics, nutrition and obesity, hospital dietetics or current nutritional trends, so that physicians can acquire superior training in this field that will allow them to act with greater security in their daily practice.

This program offers the student the possibility of deepening and updating knowledge, using the latest educational technology. And all this with a 100% online format, which facilitates the study especially for those who cannot travel to physical centers due to their work. Therefore, with this Postgraduate Diploma the student will be able to decide when to study, having total availability to access the didactic material.

This **Postgraduate Diploma in Non-Digestive Pathology and Nutritional Deficiencies in Children** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- ♦ The development of practical cases presented by experts in Non-digestive Pathology and Nutritional Deficiencies in Children
- ♦ Its graphic, schematic and eminently practical content, with which it is conceived, gathers scientific and assistance information on those disciplines that are essential for professional practice
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Its special emphasis on research methodologies in Non-Digestive Pathology and Nutritional Deficiencies 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



*We offer you a unique study opportunity to specialize in this field of high professional demand. You will notice a personal and professional growth"*

“

*This Postgraduate Diploma is the best investment you can make in selecting a professional program for two reasons: in addition to upgrading your knowledge in Non-Digestive Pathology and Nutritional Deficiencies in Children, you will obtain a diploma from TECH Global University"*

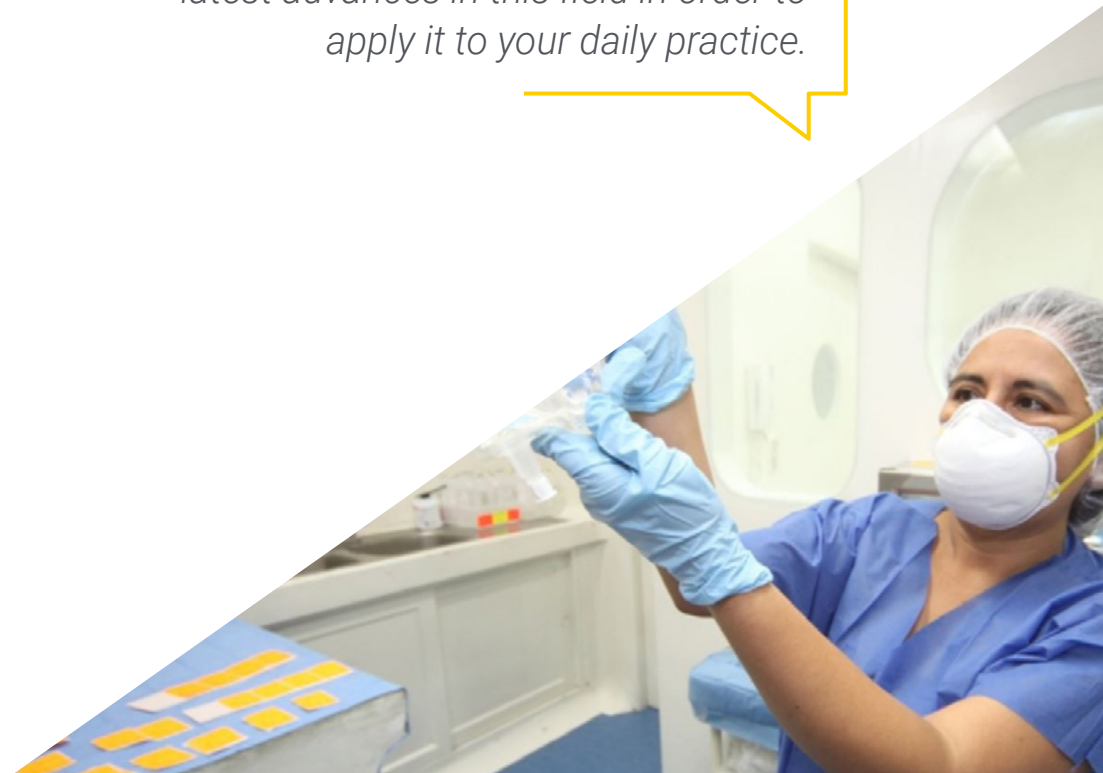
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 academic year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Increase your decision-making confidence by updating your knowledge with this University Expert course.*

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



02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that the physician can master in a practical and rigorous way the Non-Digestive Pathology and Nutritional Deficiencies in Children.







“

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



## General Objectives

---

- ♦ Improve the pediatrician's knowledge on new tendencies in human nutrition, both in health and in 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 qualification
- ♦ Encourage professional stimulation through continuing education and research
- ♦ Prepare the professional for research into patients with nutritional problems



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





## Specific Objectives

---

### Module 1. Infant Malnutrition

- ◆ Predict patients' nutritional risk
- ◆ Early detection and evaluation of quantitative and qualitative deviations from the nutritional balance due to excess or deficiency
- ◆ Identify children at nutritional risk who are eligible for specific support
- ◆ 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
- ◆ Identify the appropriate nutritional therapy for pediatric patients with chronic pulmonary pathology

### Module 2. Childhood Nutrition and Pathologies

- ◆ Analyze the implications of nutrition in the growth process and in the prevention and treatment of different childhood pathologies
- ◆ Explain current trends in the nutrition of infants with delayed intrauterine growth and the implication of nutrition on metabolic diseases
- ◆ Reflect on the etiology, repercussions, and treatment of childhood obesity
- ◆ Explain the nutritional treatment of the most frequent deficiency diseases in the present environment
- ◆ Define the role that fats play in children's diets
- ◆ Assess the psychological and physiological aspects involved in eating disorders in young children
- ◆ Review the pathogenesis and update the treatment of inborn errors of metabolism
- ◆ Identify exclusion foods in the diets of children with celiac disease
- ◆ Identify dietary factors related to bone metabolism
- ◆ Explain managing children with gastroesophageal reflux
- ◆ Describe the main malabsorption syndromes and how they are treated

03

# Course Management

This program includes in its teaching staff health professionals of recognized prestige, who belong to the field of Non-Digestive Pathology and Nutritional Deficiencies in Children and who pour into this program the experience of their work.

In addition, recognized specialists who are members of national and international scientific societies of great prestige.





*Learn from reference professionals the latest advances in Non Digestive Pathology and Nutritional Deficiencies in Children"*

## Management



### Ms. Auni3n Lavar3as, Mar3a Eugenia

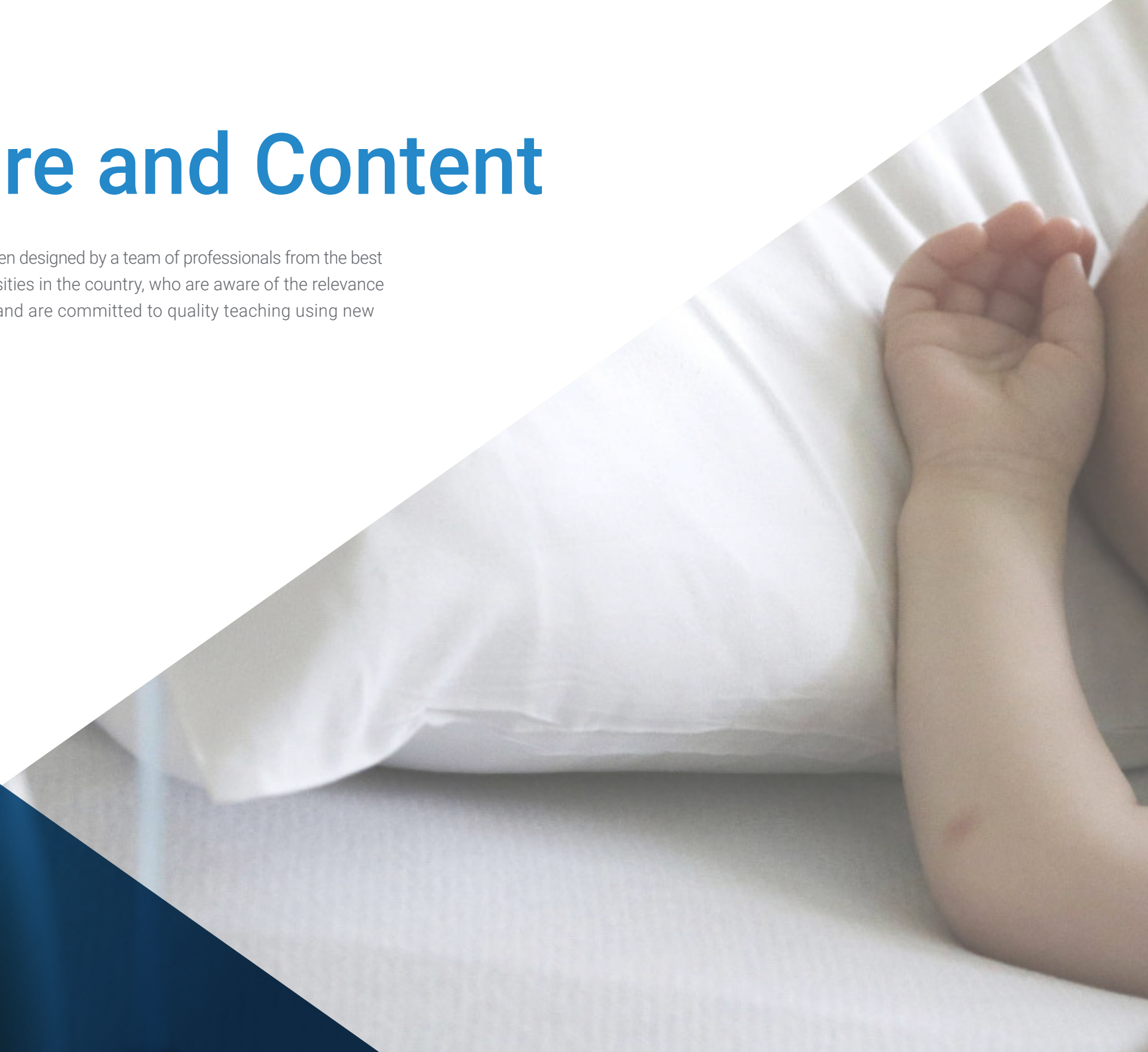
- ♦ Pharmacist and Clinical Nutrition Expert
- ♦ "Author of the reference book in the field of Clinical Nutrition "Dietary Management of Overweight in the Pharmacy Office". (Panamericana Medical Publishing House)
- ♦ Pharmacist with extensive experience in the public and private sector
- ♦ Pharmacist 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
- ♦ Head of Postgraduate Certificate "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 institutions and universities in the country, who are aware of the relevance of up-to-date, innovative training, and are committed to quality teaching using new educational technologies.







“

*This Postgraduate Diploma in Non-Digestive Pathology and Nutritional Deficiencies in Children 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. 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 educational experience to boost your professional development"*

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.





“

*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 we use the Case Method

What should a professional do in a given situation? 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. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning 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, trying to recreate the real conditions in the physician's professional practice.

“

*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
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 the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving 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, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. 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 highly 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.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and 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 the videos as many times as you like.



#### 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

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as 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 guarantees, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.



“

*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 Diploma in Non-Digestive Pathology and Nutritional Deficiencies in Children** 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.

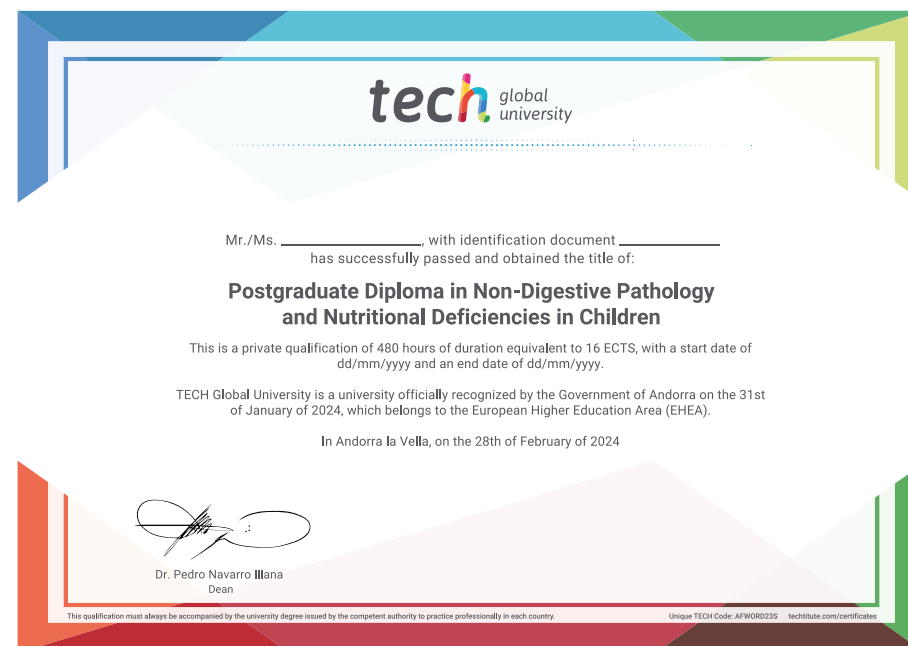
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

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

Modality: **online**

Duration: **6 months**

Accreditation: **16 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.



**Postgraduate Diploma**  
Non-Digestive Pathology  
and Nutritional Deficiencies  
in Children

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 16 ECTS
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Diploma

## Non-Digestive Pathology and Nutritional Deficiencies in Children

