

# Postgraduate Diploma

## Endocrinology and Nursing Care in Child Nutrition





## Postgraduate Diploma Endocrinology and Nursing Care in Child Nutrition

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtitute.com/in/nursing/postgraduate-diploma/postgraduate-diploma-endocrinology-nursing-care-child-nutrition](http://www.techtitute.com/in/nursing/postgraduate-diploma/postgraduate-diploma-endocrinology-nursing-care-child-nutrition)

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# 01

# Introduction

Childhood obesity and diabetes are becoming more and more frequent, so prevention and proper treatment are essential to cope with these pathologies. The nurse, as a health professional close to the patient, must have extensive knowledge about endocrinology, nutrition and care in order to provide comprehensive care to children and their families. Therefore, this program launched to the academic market becomes a unique opportunity for professional updating. Inside, the nurse will find rigorous and updated information, all in a convenient 100% online format and accessible from any device with an internet connection.



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*With this Postgraduate Diploma you will be able to combine a high intensity training with your professional and personal life, achieving your goals in a simple and real way"*

Nutrition is a vitally important issue due to the high prevalence of childhood obesity and its long-term consequences. Nurses have a key role in promoting healthy eating habits and in the prevention and treatment of nutrition-related diseases in children. In addition, pediatric endocrinology is a specialty that deals with hormonal and metabolic diseases in children and adolescents, which are often related to nutrition.

This Postgraduate Diploma in Endocrinology and Nursing Care in Child Nutrition responds to the current needs of nurses by providing up-to-date and rigorous training to identify and address related problems in these cases. All this through an informative compendium of great impact, accompanied Cone audiovisual resources, complementary readings and practical exercises developed with the Relearning methodology for a more immersive experience.

In addition, the program is developed in a 100% online format, which allows students to study at any time and place, adapting their learning to their own pace and schedule, without having to go to an on-site center. It also has the participation of experts and specialists, offering a quality and immersive experience.

This **Postgraduate Diploma in Endocrinology and Nursing Care in Child Nutrition** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ The graphic, schematic, and practical contents with which they are created contain information that is indispensable for professional practice
- ♦ It contains exercises where the self-assessment process can be carried out to improve learning
- ♦ Algorithm-based interactive learning system for decision-making for patients with feeding problems
- ♦ Nursing care guidelines on the different pathologies related to nutrition
- ♦ All this will be complemented by 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



*Acquire the necessary skills and competencies to work in nursing in the area of Clinical Nutrition with a high intensity training Postgraduate Diploma"*

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*Our innovative telepractice concept will give you the opportunity to learn through an immersive experience, which will provide you with a faster integration and a much more realistic view of the contents: “learning from an expert”*

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.

*The learning in this Postgraduate Diploma is developed through the most developed teaching methods in online teaching to guarantee that your efforts produce the best results possible.*

*It includes clinical cases to bring the program as close as possible to the reality of nursing care.*



02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that nursing professionals can master in a practical and rigorous way the study of of Endocrinology and Care in Child Nutrition .







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*This refresher program will generate a sense of security when practicing nursing, which will help you grow both personally and professionally”*



## General Objectives

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- Update the nursing professional's knowledge on new trends in human nutrition, in both health and disease situations, through evidence-based nursing
- To promote work strategies based on the practical knowledge of the new trends in nutrition and its application to child and adult pathologies, where nutrition plays a fundamental role in treatment
- Encourage the acquisition of technical skills and abilities, through a powerful audio-visual system, and the possibility of development through online simulation workshops and/or specific training
- Encourage professional stimulus through continuing education and research
- Train the professional for research into patients with nutritional problems





## Specific Objectives

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- ◆ Update the basics of a balanced diet in the different stages of life cycle as well as in exercise
- ◆ To assess and calculate nutritional requirements in health and disease at any stage of the life cycle
- ◆ To review the new dietary guidelines, nutritional objectives, and recommended dietary allowances (RDA)
- ◆ To manage food databases and composition tables
- ◆ To acquire skills in reading and understanding new food labeling methods
- ◆ To identify children at nutritional risk who are eligible for specific support
- ◆ To evaluate and monitor the supervision of children on nutritional support
- ◆ To update knowledge on probiotics and prebiotics in infant feeding
- ◆ To acquire technical knowledge on the handling of systems and devices necessary for nutritional support in critically ill patients
- ◆ Identify children suffering from malnutrition
- ◆ Explain the correct nutritional support for a malnourished child
- ◆ Relate the different types of malnutrition and their impact on the developing organism
- ◆ To reflect on the etiology, repercussions and treatment of childhood obesity
- ◆ Update the nutritional treatment of the most common deficiency diseases in our environment
- ◆ Review and update the role of fats in children's diets.
- ◆ Assess the psychological and physiological aspects involved in eating disorders in young children
- ◆ To identify eating behavior disorders
- ◆ Review the pathogenesis and treatment of inborn errors of metabolism
- ◆ To update knowledge on the treatment of dyslipidemias and the role that nutrition plays in their development and treatment
- ◆ To manage the dietetic treatment of the diabetic child
- ◆ To assess the nutritional support of children with cancer in different situations
- ◆ To reflect on the role of nutrition in autistic children
- ◆ To review the rationale for dietary support of acute diarrhea
- ◆ Update the management of nutritional support in inflammatory diseases
- ◆ To reflect on the relationship between constipation and infant nutrition
- ◆ Identify exclusion foods in the diets of children with celiac disease



*Make the most of this opportunity and take the step to get up to date with the latest developments in Nursing Endocrinology and Care in Child Nutrition"*

03

# Course Management

Our teaching team, experts in Clinical Nutrition, are well known in the profession and are professionals with years of teaching experience who have come together to help you boost your career. To this end, they have developed this Master's Degree with the latest developments in the field that will allow you to train and increase your skills in this sector.



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*Learn from the best professionals  
and become a successful  
professional yourself”*

## Management



### Dr. Aunió Lavarías, María Eugenia

- ◆ Pharmacist Clinical Nutrition Expert
- ◆ Author of the reference book in the field of Clinical Nutrition *Dietary , Management of Overweight in the Pharmacy Office"* (Editorial Médica Panamericana)
- ◆ Pharmacist with extensive experience in the public and private sector
- ◆ Head Pharmacist
- ◆ Pharmacy Assistant. Pharmacy Chain. British Health and Beauty Retailers Boots UK. Oxford Street Centro de Londres
- ◆ Bachelor 's Degree in Food Science and Technology. University of Valencia
- ◆ Direction of the Dermocosmetic University Course. Pharmacy Office



# 04

# Structure and Content

The structure of the contents has been designed by a team of professionals who recognize the implications that specialization has on daily practice, who are aware of the relevance of current training in Endocrinology and Childhood Nursing Care in Nutrition and are committed to quality teaching using new educational technologies.





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*This Postgraduate Diploma in Endocrinology and Nursing Care in Child Nutrition contains the most complete and up-to-date scientific program on the market”*

## Module 1. Assessment of Nutritional Status and Diet. Practical Application

- 1.1. Bioenergy and Nutrition
  - 1.1.1. Energy Needs
  - 1.1.2. Methods of Assessing Energy Expenditure
- 1.2. Assessment of Nutritional Status
  - 1.2.1. Body Composition Analysis
  - 1.2.2. Clinical Diagnosis. Signs and Symptoms
  - 1.2.3. Biochemical, Hematological and Immunological Methods
- 1.3. Intake Assessment
  - 1.3.1. Methods for Analyzing Food and Nutrient Intake
  - 1.3.2. Direct and Indirect Methods
- 1.4. Update on Nutritional Requirements and Recommended Intakes
- 1.5. Nutrition in a Healthy Adult. Objectives and Guidelines. Mediterranean Diet
- 1.6. Nutrition in Menopause
- 1.7. Nutrition in the Elderly

## Module 2. Infant Malnutrition

- 2.1. Infant Malnutrition
  - 2.1.1. Psychosocial Aspects
  - 2.1.2. Pediatric Assessment
  - 2.1.3. Treatment and Monitoring
- 2.2. Nutritional Anemias
  - 2.2.1. Other Nutritional Anemias in Childhood
- 2.3. Vitamin and Trace Element Deficiencies
  - 2.3.1. Vitamins
  - 2.3.2. Trace Elements
  - 2.3.3. Detection and Treatment
- 2.4. Fats in Infant Diets
  - 2.4.1. Essential Fatty Acids
- 2.5. Infant Obesity
  - 2.5.1. Prevention
  - 2.5.2. Impact of Childhood Obesity
  - 2.5.3. Nutritional Treatment





### Module 3. Childhood Nutrition and Pathologies

- 3.1. Nutrition of Children with Oral Pathologies
- 3.2. Nutrition of Infants and Children with Gastroesophageal Reflux
- 3.3. Nutrition in Acute Diarrhea
- 3.4. Nutrition in Children with Celiac Disease
- 3.5. Nutrition in Children with Inflammatory Bowel Disease
- 3.6. Nutrition in Children with Digestive Malabsorption Syndrome
- 3.7. Nutrition in Children with Constipation
- 3.8. Nutrition in Children with Liver Disease
- 3.9. Feeding Difficulties and Disorders in Children
  - 3.9.1. Physiological Aspects
  - 3.9.2. Psychological Aspects
- 3.10. Eating Disorders
  - 3.10.1. Anorexia
  - 3.10.2. Bulimia
  - 3.10.3. Others
- 3.11. Innate Problems With Metabolism
  - 3.11.1. Principles for Dietary Treatment
- 3.12. Nutrition in Dyslipidemias
- 3.13. Nutrition in Diabetic Children
- 3.14. Nutrition in Autistic Children
- 3.15. Nutrition in Children with Cancer
- 3.16. Nutrition in Children with Chronic Pulmonary Pathology
- 3.17. Nutrition in Children with Nephropathy
- 3.18. Nutrition in Children with Food Allergies and/or Intolerances
- 3.19. Childhood and Bone Pathology Nutrition



*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.





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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 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 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 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 Endocrinology and Nursing Care in Child Nutrition guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University.





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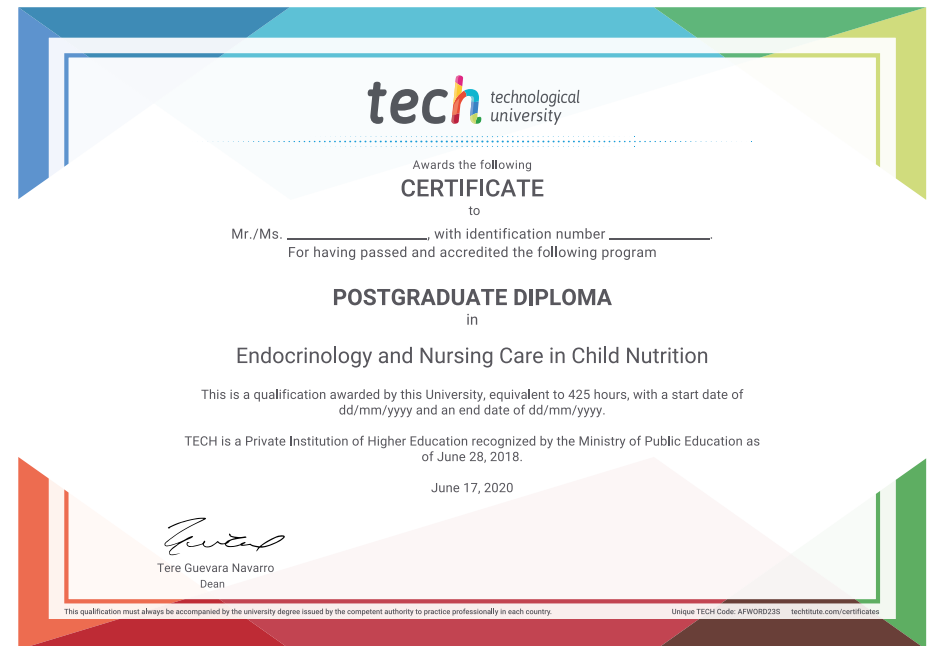
*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*

This **Postgraduate Diploma in Endocrinology and Nursing Care in Child Nutrition** contains the most complete and up-to-date scientific 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 certificate 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 Endocrinology and Nursing Care in Child Nutrition**  
Official N° of Hours: **425 h.**



\*Apostille Convention. In the event that the student wishes to have their paper certificate 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  
development language  
virtual classroom



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