

Postgraduate Diploma

Pediatric Artificial Nutrition and
Hospital Dietetics for Nurses



Postgraduate Diploma Pediatric Artificial Nutrition and Hospital Dietetics for Nurses

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

Website: www.techtute.com/us/nursing/postgraduate-diploma/postgraduate-diploma-pediatric-artificial-nutrition-hospital-dietetics-nurses

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 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 Artificial Nutrition and Hospital Dietetics through this program, where you will find the best didactic material with real clinical 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. This training offers a global vision of Artificial Nutrition and Child Malnutrition while focusing on the most important and innovative aspects of pediatric nutrition and dietetics.

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 Artificial Nutrition and Hospital Dietetics will help you keep up to date in order to provide comprehensive quality care to your patients”

This **Postgraduate Diploma in Pediatric Artificial Nutrition and Hospital Dietetics for Nurses** contains the most complete and up to date scientific program on the market. The most important features of the program include:

- ♦ Clinical cases presented by experts in artificial nutrition and hospital dietetics
- ♦ The graphic, schematic, and eminently practical contents of which they are composed provide scientific and practical information on the 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
- ♦ Special emphasis on the research methodology used in artificial nutrition and hospital dietetics
- ♦ 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

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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 Pediatric Artificial Nutrition and Hospital Dietetics 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, students will be assisted by an innovative interactive video system created by renowned and experienced experts in Artificial Nutrition and Hospital Dietetics with extensive experience.

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 nurse is able to master artificial nutrition and hospital dietetics in both a practical and rigorous manner.





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This program will allow you to update your knowledge in Artificial Nutrition and Hospital Dietetics with the use of the latest educational technology, to contribute with quality and security to decision making"



General Objectives

- 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 stimulus through continuing 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 Pediatric Artificial Nutrition and Hospital Dietetics for Nurses”





Specific Objectives

- ♦ 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 innate errors of 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

03

Course Management

This program includes highly regarded health professionals in the field of pediatric nutrition and hospital dietetics 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 pediatric artificial nutrition and hospital dietetics from leading professionals"

Management



Mr. Auni3n Lavarías, María 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 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.





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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. New Developments in Food

- 1.1. Molecular Foundations of Nutrition
- 1.2. Update on Food Composition
- 1.3. Food Composition Tables and Nutritional Databases
- 1.4. Phytochemicals and Non Nutritive Compounds
- 1.5. New Food
 - 1.5.1. Functional Nutrients and Bioactive Compounds
 - 1.5.2. Probiotics, Prebiotics, and Synbiotics
 - 1.5.3. Quality and Design
- 1.6. Organic food
- 1.7. Transgenic Foods
- 1.8. Water as a Nutrient
- 1.9. Food Safety
 - 1.9.1. Physical Hazards
 - 1.9.2. Chemical Hazards
 - 1.9.3. Microbiological Hazards
- 1.10. New labelling and consumer information
- 1.11. Phytotherapy Applied to Nutritional Pathologies



Module 2. Clinical Nutrition and Hospital Dietetics

- 2.1. Management of Hospital Nutrition Units
 - 2.1.1. Nutrition in the Hospital Setting
 - 2.1.2. Food Safety in Hospitals
 - 2.1.3. Planning and Managing Hospital Diets. Dietary Code
- 2.2. Hospital Basal Diets
 - 2.2.1. Pediatric Basal Diet
 - 2.2.2. Ovo Lacto Vegetarian and Vegan Diet
 - 2.2.3. Diet Adapted to Cultural
- 2.3. Therapeutic Hospital Diets
 - 2.3.1. Uniting Diets
 - 2.3.2. Personalised Menu's
- 2.4. Bidirectional Drug Nutrient Interaction

Module 3. Artificial Nutrition in Pediatrics

- 3.1. Concept of Nutritional Therapy in Pediatrics
 - 3.1.1. Evaluation of Patients in Need of Nutritional Support
 - 3.1.2. Indications
- 3.2. General Information about Enteral and Parenteral Nutrition
 - 3.2.1. Enteral Paediatric Nutrition
 - 3.2.2. Parenteral Paediatric Nutrition
- 3.3. Dietary Products Used for Sick Children or Children with Special Needs
- 3.4. Implementing and Monitoring Patients with Nutritional Support
 - 3.4.1. Critical Patients
 - 3.4.2. Patients with Neurological Pathologies
- 3.5. Artificial Nutrition at Home
- 3.6. Nutritional Supplements to Support the Conventional Diet
- 3.7. Probiotics and Prebiotics in Infant Feeding

Module 4. Infant Malnutrition

- 4.1. Childhood Malnutrition and Undernutrition
 - 4.1.1. Psychosocial Aspects
 - 4.1.2. Pediatric Assessment
 - 4.1.3. Treatment and Monitoring
- 4.2. Nutritional Anemias
 - 4.2.1. Other Nutritional Anemias in Childhood
- 4.3. Vitamin and Trace Element Deficiencies
 - 4.3.1. Vitamins.
 - 4.3.2. Trace Elements
 - 4.3.3. Detection and Treatment
- 4.4. Fats in Infant Diets
 - 4.4.1. Essential Fatty Acids
- 4.5. Childhood Obesity
 - 4.5.1. Prevention
 - 4.5.2. Impact of Childhood Obesity
 - 4.5.3. Nutritional Treatment

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 Pediatric Artificial Nutrition and Hospital Dietetics for Nurses guarantees, in addition to the most rigorous and updated training, access to a qualification 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 Pediatric Artificial Nutrition and Hospital Dietetics 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 Pediatric Artificial Nutrition and Hospital Dietetics for Nurses

Official N° of hours: 425 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.

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



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