

# Postgraduate Diploma Pediatric Endocrinology and Nutrition





## Postgraduate Diploma Pediatric Endocrinology and Nutrition

Course Modality: Online

Duration: 6 months.

Certificate: TECH Technological University

Official N° of hours: 425 h.

Website: [www.techtitute.com/pk/pharmacy/postgraduate-diploma/postgraduate-diploma-pediatric-endocrinology-nutrition](http://www.techtitute.com/pk/pharmacy/postgraduate-diploma/postgraduate-diploma-pediatric-endocrinology-nutrition)

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01

# Introduction

Learn how to describe the nutritional requirements in the different periods of childhood with this high-level program imparted by industry professionals with extensive experience in Pediatric Nutrition in Pharmacy.

A unique opportunity to specialise in a high-demand professional field.





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*Learn here about the latest advances in  
Pediatric Nutrition in Pharmacy to be able  
to provide quality care”*

In pediatric pathology, nutrition intervenes as an etiological factor and as a complication of other diseases. Therefore, it is essential that pharmacy professionals have studies on food and nutrition in pediatrics, as well as in the treatment and support of a large number of pathologies in children.

This Postgraduate Diploma allows the pharmacist to specialize in the field of Pediatric Nutrition in areas of special interest such as:

- ♦ Nutrigenetics
- ♦ Nutrigenomics.
- ♦ Nutrition and Obesity
- ♦ Hospital Dietetics
- ♦ Nutritional Trends

With this program, students will have the opportunity to study a teaching program that brings together the most advanced and in-depth knowledge in the field, where a group of professors of high scientific rigor and extensive international experience offers the most complete and up-to-date information on the latest advances and techniques in Clinical Nutrition in Pharmacy.

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

- ♦ The graphic, schematic and practical contents of the course are designed to provide all the essential information required 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
- ♦ All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Availability of content from any fixed or portable device with internet connection



*Incorporate the latest developments in pediatric nutrition into your daily practice and improve your patient care”*

“

*This Postgraduate Diploma may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Pediatric Endocrinology and Nutrition, you will obtain a Postgraduate Diploma from TECH Technological University"*

Its teaching staff includes renowned specialists in nutrition based on clinical practice, who bring the experience of their work to this training.

Thanks to their multimedia content developed with the latest educational technology, they will allow the pharmacist to learn in a contextual and situated way, i.e. a simulated environment that will provide immersive learning programmed to train in real situations.

This program is designed around Problem-Based Learning, by means of which the pharmacist must try to solve the different situations of their professional practice that arise during the course.

For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of radiology with extensive teaching experience.

*If you want to improve your daily practice, don't hesitate to broaden your knowledge with this intensive program.*

*You will be trained by professionals with extensive experience in Clinical Nutrition in Pharmacy, who will guide you throughout the educational process.*



# 02 Objectives

The principal objective of the program is the development of both theoretical and practical learning, so that the pharmacist can master, in a practical and rigorous way, the study of Endocrinology and Childhood Nutrition.







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*This refresher program will generate a sense of confidence in the performance of your praxis, which will help you grow personally and professionally”*



## General Objectives

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- Update the 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 adult 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



*Make the most of the opportunity and take the step to get up to date on the latest developments in Pediatric Endocrinology and Nutrition”*





## Specific Objectives

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

- ♦ Analyze the different methods for assessing nutritional status
- ♦ Assess and calculate nutritional requirements in health and disease at any stage of the life cycle
- ♦ Predict patients' nutritional risk
- ♦ Early detection and assessment of quantitative and qualitative deviations from the nutritional balance due to excess or deficiency
- ♦ Assess and maintain adequate hygiene and food safety practices, applying current legislation
- ♦ Acquire teamwork skills as a unit in which professionals and other personnel related to the diagnostic evaluation and treatment of dietetics and nutrition are structured in a uni or multidisciplinary and interdisciplinary way

### Module 2. Infant Malnutrition

- ♦ Reflect and identify risk factors in school and adolescent nutrition
- ♦ Review the pathophysiological aspects of pediatric diseases
- ♦ Identify children at nutritional risk who are eligible for specific support
- ♦ Evaluate and monitor the supervision of children on nutritional 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
- ♦ Update knowledge on the role that fats play in childrens diets

### Module 3. Childhood Nutrition and Pathologies

- ♦ Update current trends in the nutrition of infants with delayed intrauterine growth and the implication of nutrition on metabolic diseases
- ♦ Review the relation between physiology and nutrition in the different stages of infant development
- ♦ Update knowledge on new formulae used in infant feeding
- ♦ Get up to date on managing children with gastroesophageal reflux
- ♦ 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
- ♦ Apply the knowledge acquired on nutritional assessment in Pediatrics
- ♦ Reflect on the etiology, repercussions, and treatment of childhood obesity
- ♦ Identify the appropriate nutritional therapy for pediatric patients with chronic pulmonary pathology
- ♦ Assess the psychological and physiological aspects involved in eating disorders in young children
- ♦ Manage diabetic children's diet
- ♦ Assess the nutritional support of children with cancer in different situations
- ♦ Reflect on the role of nutrition in autistic children
- ♦ Reflect on the relationship between constipation and infant nutrition
- ♦ Identify exclusion foods in the diets of children with celiac disease
- ♦ Update the dietary management of children with nephropathy

03

# Course Management

This program includes in its teaching staff health professionals of recognized prestige, who belong to the field of Pediatric Endocrinology and Nutrition and who pour into this program the experience of their work.

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 from leading professionals,  
the latest advances in Pediatric  
Endocrinology and Nutrition”*

## Management



### **Ms. Aunió 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 knowledgeable about the implications of training in daily medical practice, aware of the current relevance of Pediatric Endocrinology and Nutrition, and committed to quality teaching through new educational technologies.





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*This Postgraduate Diploma in Pediatric Endocrinology and 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. Symptoms and Signs
  - 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 The 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
- 2.2. Undernourishment
  - 2.2.1. Clinical Classification
  - 2.2.2. Repercussions of a Developing Organism
- 2.3. Iron Deficiency
  - 2.3.1. Other Nutritional Anemias in Childhood
- 2.4. Vitamin and Trace Element Deficiencies
- 2.5. Fats in Infant Diets
  - 2.5.1. Essential fatty acids
- 2.6. Childhood Obesity
  - 2.6.1. Prevention
  - 2.6.2. Impact of childhood obesity
  - 2.6.3. Nutritional Treatment



**Module 3. Childhood Nutrition and Pathologies**

- 3.1. Feeding Difficulties and Disorders in Children Small
  - 3.1.1. Physiological Aspects
  - 3.1.2. Psychological Aspects
- 3.2. Eating Disorders
  - 3.2.1. Anorexia
  - 3.2.2. Bulimia
  - 3.2.3. Others
- 3.3. Inborn Errors of Metabolism
  - 3.3.1. Principles for Dietary Treatment
- 3.4. Nutrition in Dyslipidemias
- 3.5. Nutrition in Diabetic Children
- 3.6. Nutrition in Autistic Children
- 3.7. Nutrition in Children with Cancer
- 3.8. Nutrition of Children with Oral Pathologies
- 3.9. Nutrition of Infants and Children with Gastroesophageal Reflux
- 3.10. Nutrition in Acute Diarrhea Situation
- 3.11. Nutrition in Children with Celiac Disease
- 3.12. Nutrition in Children with Inflammatory Bowel Disease
- 3.13. Nutrition in Children with Digestive Malabsorption Syndrome
- 3.14. Nutrition in Children with Constipation
- 3.15. Nutrition in Children with Liver Disease
- 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 program 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.





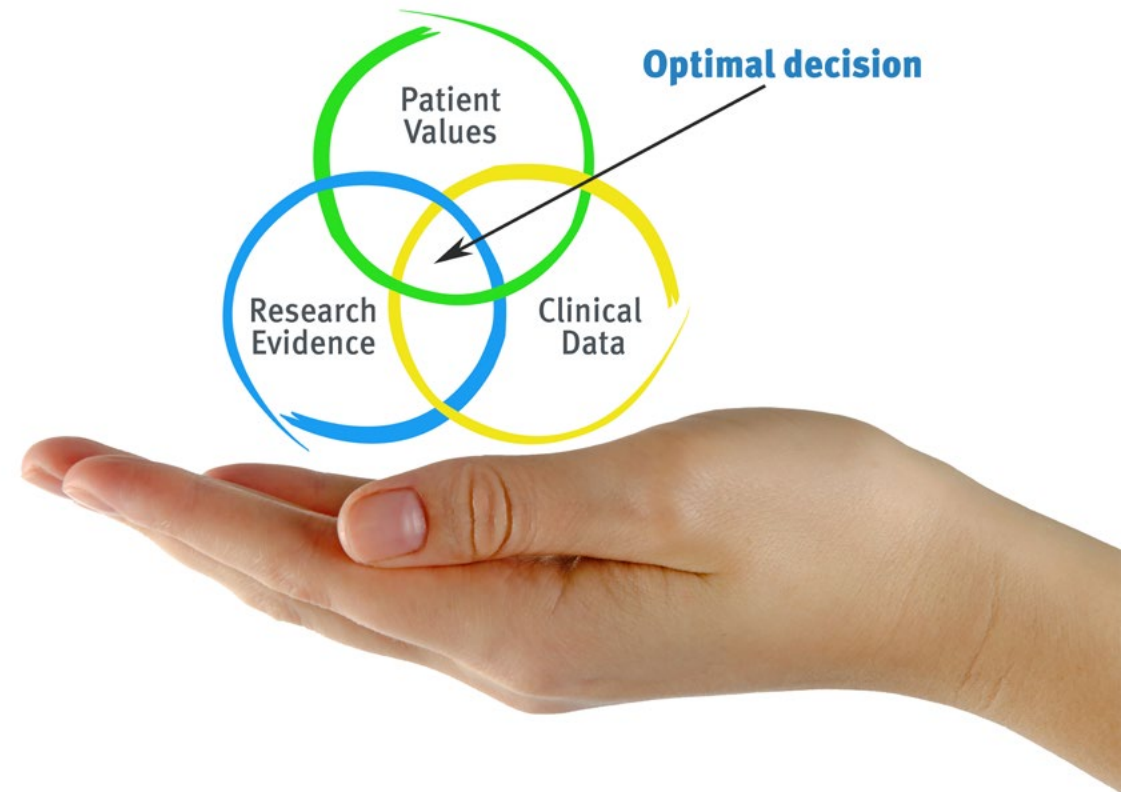
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will be confronted with multiple simulated clinical cases based on real patients, in which they will have to investigate, establish hypotheses and ultimately, resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Pharmacists learn better, more quickly 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. 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, attempting to recreate the actual conditions in a pharmacist's professional 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. Pharmacists who follow this method not only grasp concepts, but also develop their mental capacity, by evaluating real situations and applying their 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.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.

*Pharmacists 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, more than 115,000 pharmacists have been trained with unprecedented success in all clinical specialties, regardless of the surgical load. This pedagogical methodology is developed in a highly demanding environment, with a university student body with a high socioeconomic profile and an average age of 43.5 years.

*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 created specifically for the course by specialist pharmacists who will be teaching the course, so that the didactic development is highly specific and accurate.

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.



### Video Techniques and Procedures

TECH introduces students to the latest techniques, to the latest educational advances, to the forefront of current pharmaceutical care procedures. All of this, first hand, and explained and detailed with precision to contribute to assimilation and a better understanding. And best of all, you can watch them as many times as you want.



### Interactive Summaries

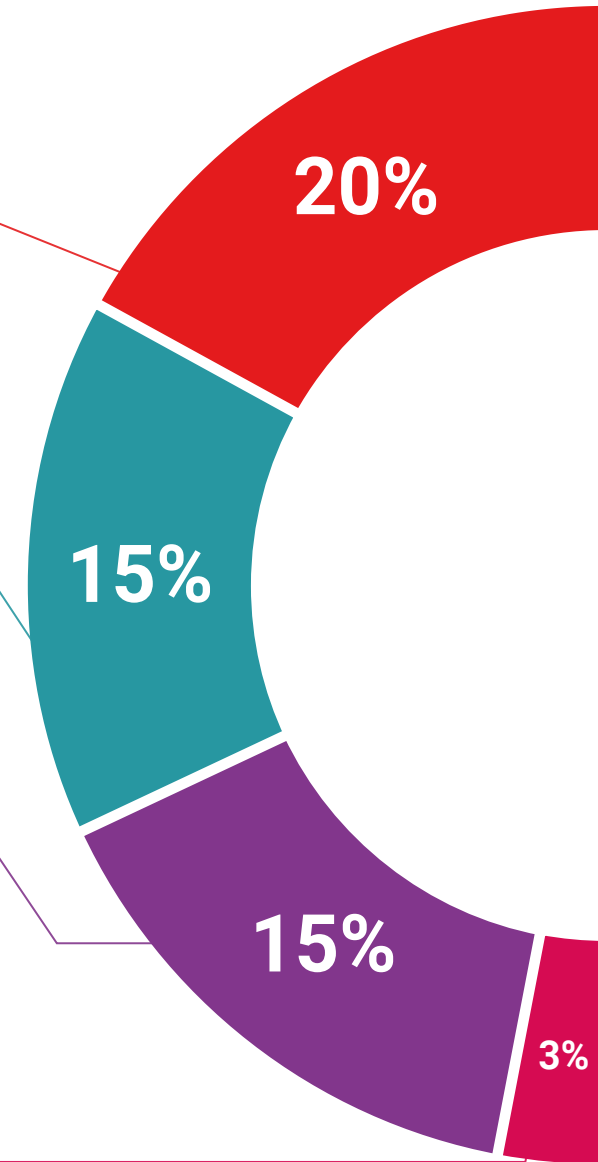
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

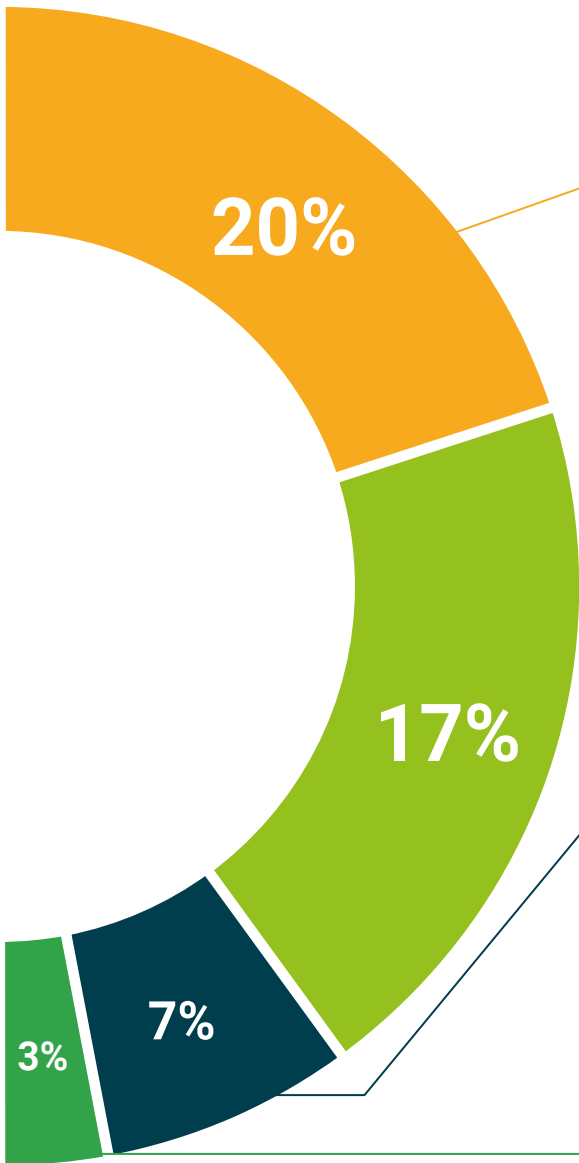
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



### 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, we will present you with real case developments in which the expert will guide you through 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 Pediatric Endocrinology and 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 Pediatric Endocrinology and Nutrition** 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 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 in Pediatric Endocrinology and 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.

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



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Endocrinology and  
Childhood Nutrition

Course Modality: **Online**  
Duration: **6 months.**  
Certificate: **TECH Technological University**  
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