Postgraduate Diploma
Pediatric Endocrinology and Nutrition

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Postgraduate Diploma
Pediatric Endocrinology and Nutrition

- Modality: **online**
- Duration: **6 months**
- Certificate: **TECH Technological University**
- Credits: **17 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/us/nutrition/postgraduate-diploma/postgraduate-diploma-endocrinology-childhood-nutrition**

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01

Introduction

Correct feeding of children during the first years of life can have a positive impact on their state of health. Good nutrition is the first line of defence against numerous childhood illnesses which can leave lasting effects on children for life.

With this training, the nutritionist will specialize in Pediatric Endocrinology and Nutrition from the hand of professionals with extensive experience in the sector.

With this intensive training you will have the opportunity to specialize in the field and stand out in an area with high demand for professionals"

Nutrition in infancy 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.

With this training you will have the opportunity to take a program that brings together the most advanced and in-depth knowledge in the field, where a group of highly regarded professors with extensive international experience provides you with the most complete and up-to-date information on the latest advances and techniques in Pediatric Endocrinology and Nutrition.

It offers a global vision of clinical nutrition while focusing on the most important and innovative aspects of nutrition in the pediatric age group, including from the intrauterine phase to adolescence, as well as the diseases in which nutrition plays a highly relevant role.

This course is methodologically designed for distance learning in order to guarantee optimal supervision.

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 of the program include:

- The graphic, schematic, and eminently 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.
- All of 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.

This Postgraduate Diploma contains the most complete and up-to-date scientific program on the market"

Improve your knowledge through this program, where you will find the best didactic material with real clinical cases. Learn here about the latest advances in the speciality to be able to perform quality nutritional practice"

The Postgraduate Diploma allows training in simulated environments, which provide immersive learning programmed to train in real situations.

This refresher program will provide you with a sense of confidence in your daily work, which will help you grow both personally and professionally.

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

Thanks to the multimedia content developed with the latest educational technology, they will provide the Nutritionist with situated and contextual learning, i.e., a simulated environment that will provide an immersive training program to train in real situations.

The design of this programme is based on Problem-Based Learning, by means of which the nutritionist must try to solve the different professional practice situations 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.

02

Objectives

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

This refresher program will generate a sense of security in nutritional practice, which will help you grow both personally and professionally"

General Objectives

- Update the nutritionist's knowledge on new trends in human nutrition, in both health 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 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

- 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.
- Calculate the dietary needs and risks to the child and adolescent athlete.
- Explain current trends in the nutrition of infants with delayed intrauterine growth and the implication of nutrition on metabolic diseases.
- Reflect on the role of human milk as a functional food.
- Describe new formulae used in infant feeding.
- Reflect on new trends and models in infant feeding.
- Reflect and identify risk factors in school and adolescent nutrition.
- Incorporate the different techniques and products of basic and advanced nutritional support related to pediatric nutrition into clinical practice.
- Identify children at nutritional risk who are eligible for specific support.
- Evaluate and monitor the supervision of children on nutritional support.

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

03

Course Management

This program includes highly regarded health professionals in the field of Clinical Nutrition 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.

Learn about the latest advances in Pediatric Endocrinology and Nutrition from leading professionals"

International Guest Director

Dr. Sumantra Ray is an internationally recognized specialist in **Nutrition** and his main areas of interest are **Nutrition Education in Health Systems** and **Cardiovascular Disease Prevention**. With his outstanding experience in this health field, he has served as a consultant on special assignment for the **Nutrition Management** of the **World Health Organization** Headquarters in Geneva. He has also worked as **Director of Research** in Food Security, Health and Society in the Faculty of Humanities and Social Sciences at the University of Cambridge.

For his constant commitment to the dissemination of **healthy eating habits**, he has received the **Josephine Lansdell Award** from the British Medical Association. Specifically, this recognition highlighted his contributions related to nutrition and **Cardiovascular Prevention**. Also, as an international expert, he has participated in a work program on **Food, Nutrition** and **Education** in India, led by the University of Cambridge and funded by the UK Global Challenges Research Fund.

Dr. Sumantra Ray's studies are worldwide references, focusing on **global food security**, as it is a fundamental aspect for the development of societies. In addition, he has demonstrated his leadership skills as a **Senior Clinical Scientist** at the **Medical Research Council**, focusing on **Nutrition** and **Vascular Health** studies. In this position, he directed an experimental medicine facility dedicated to Human **Nutrition** studies.

Throughout his career he has authored more than **200 scientific publications** and has written the **Oxford Handbook of Clinical and Health Research**, aimed at strengthening the basic research skills of health care workers around the world. In this sense, he has shared his scientific findings in numerous presentations and congresses, in which he has participated in different countries.

Dr. Ray, Sumantra

- Executive Director and Founder, NNEdPro Global Nutrition and Health
- Centre, Cambridge, UK
- Director of Research in Food Security, Health and Society in the Faculty of Humanities and Social Sciences, University of Cambridge
- Co-Founder and President of the BMJ Scientific Journal Nutrition, Prevention and Health
- Presidential Advisor at the School of Advanced Studies on Food and Nutrition, University of Parma
- Vice President of the Conference of Medical Academic Representatives of the BMA
- Consultant on special assignment for the Nutrition Directorate of the World Health Organization Headquarters in Geneva
- Honorary International Dean of the Cordia Colleges in India
- Senior Clinical Scientist with the Medical Research Council
- Bachelor's Degree in Medicine

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

Management

Ms. Aunión 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 who recognise the implications that specialization has on daily practice, who are aware of the relevance of current training in Pediatric Endocrinology and Nutrition and are committed to quality teaching using new educational technologies.

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. Mediterranean Diet
1.6. Nutrition in Menopause
1.7. Nutrition in the Elderly

Module 2. Pediatric Malnutrition

2.1. Pediatric Malnutrition and Undernutrition
  2.1.1. Psychosocial Aspects
  2.1.2. Pediatric Assessment
  2.1.3. Treatment and Follow-up
2.2. Nutritional Anemias
  2.2.1. Other Nutritional Anemias in Childhood
2.3. Vitamin and Micronutrient Deficiencies
  2.3.1. Vitamins
  2.3.2. Micronutrients
  2.3.3. Detection and Treatment
2.4. Fats in Pediatric Nutrition
  2.4.1. Essential Fatty Acids
2.5. Childhood Obesity
  2.5.1. Prevention
  2.5.2. Impact of Childhood Obesity
  2.5.3. Nutritional Treatment

Module 3. Nutrition and Pathologies in Childhood

3.1. Nutrition of Children with Oral Pathologies
3.2. Nutrition of Infants and Children with Gastroesophageal Reflux
3.3. Nutrition in Acute Diarrhea Situation
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. Eating 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 the Diabetic Child
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

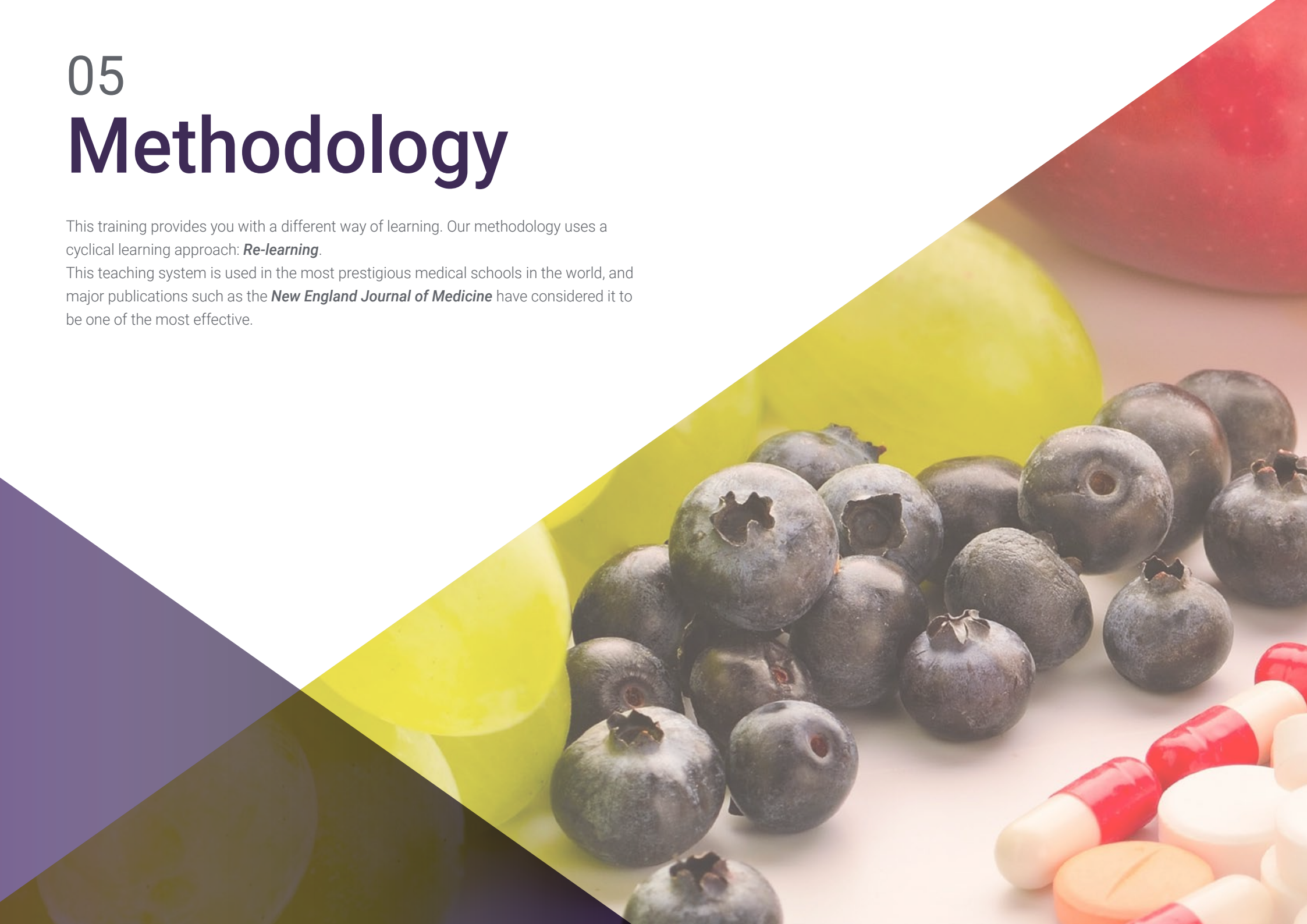
A unique, key, and decisive training experience to boost your professional development"

05

Methodology

This training provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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.

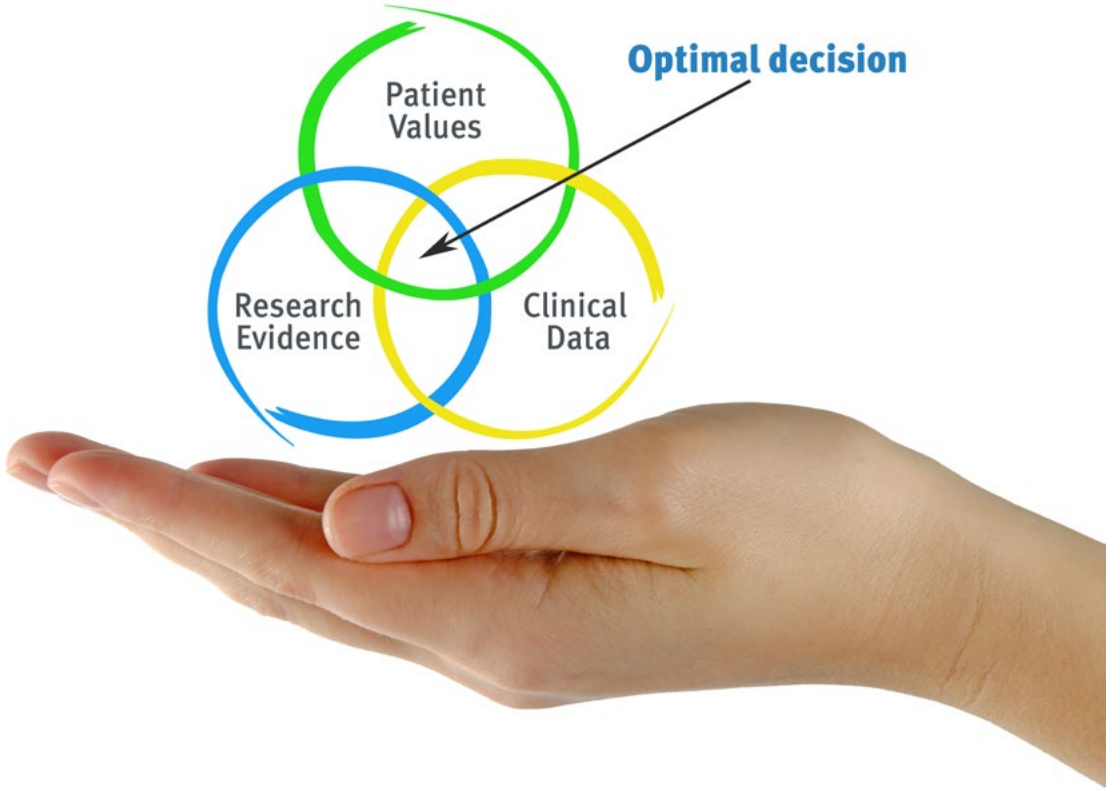


Discover Re-learning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

In a given clinical situation, what would you do? Throughout the program you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Nutritionists learn better, faster, and more sustainably over time.

With TECH, nutritionists can 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 potential 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 of professional nutritional 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:

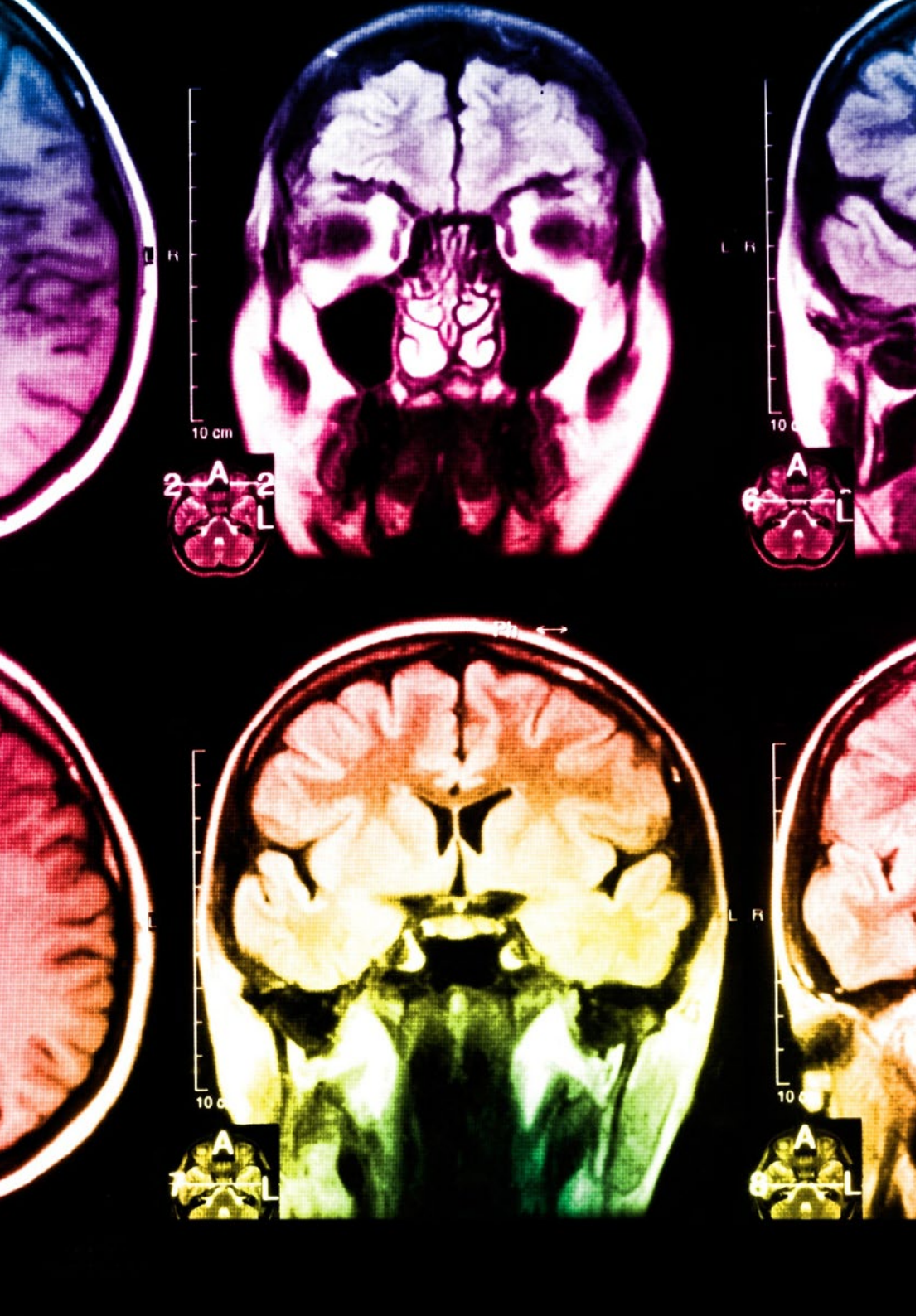
1. Nutritionists who follow this method not only grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning is solidly focused on practical skills that allow the nutritionist to better integrate the knowledge into clinical practice.
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.

Re-Learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

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.

The nutritionist 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have have trained more than 45,000 nutritionists with unprecedented success, in all clinical specialties regardless of the workload. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning will allow you to learn with less effort and better performance, involving you more in your training, 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by our learning system is 8.01, according to the highest international standards.

In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.

Nutrition Techniques and Procedures on Video

We introduce you to the latest techniques, the latest educational advances, and the forefront of current nutritional procedures and techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.

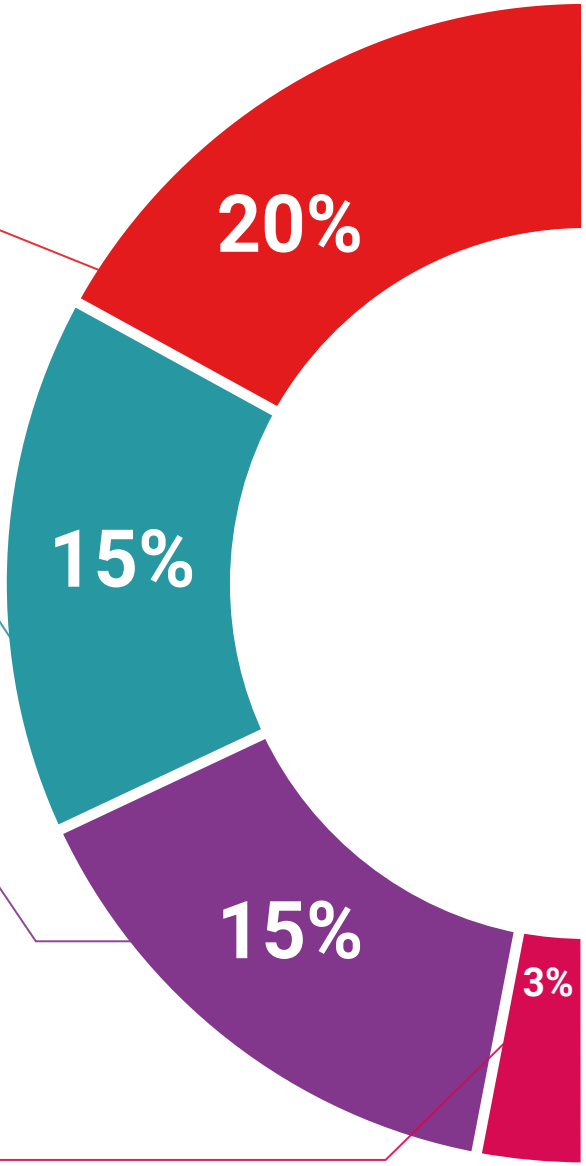
Interactive Summaries

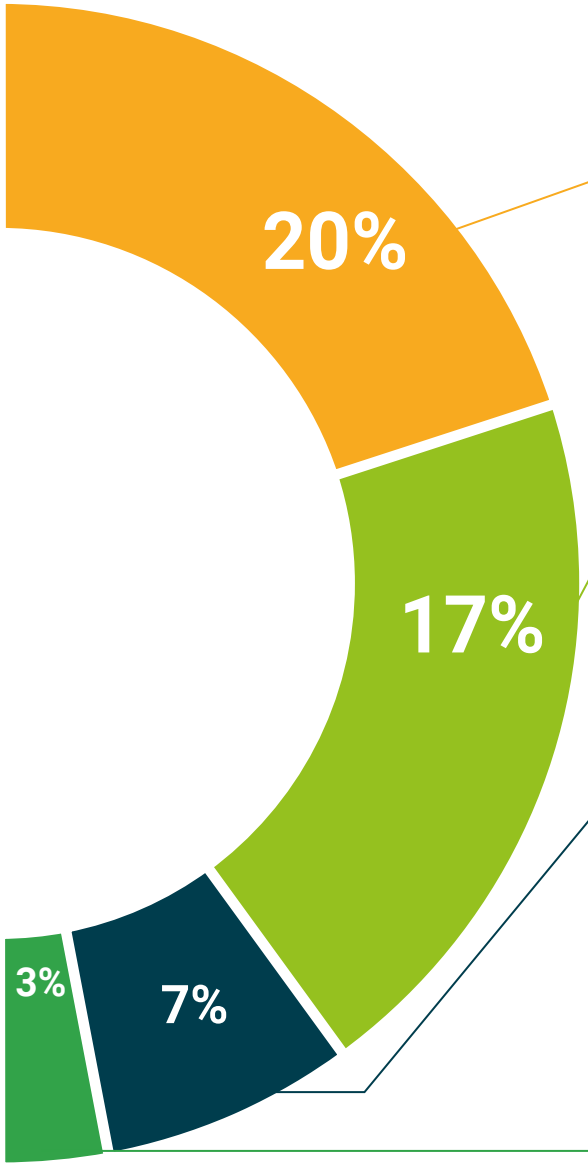
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





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 & Re-Testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your 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 our difficult future decisions.

Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.

06

Certificate

Through a different and stimulating learning experience, you will be able to acquire the necessary skills to take a big step in your training. An opportunity to progress, with the support and monitoring of a modern and specialized university, which will propel you to another professional level.

Add a Postgraduate Diploma in Pediatric Endocrinology and Nutrition to your CV and become a highly competitive professional"

This program will allow you to obtain your **Postgraduate Diploma in Pediatric Endocrinology and Nutrition** 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.

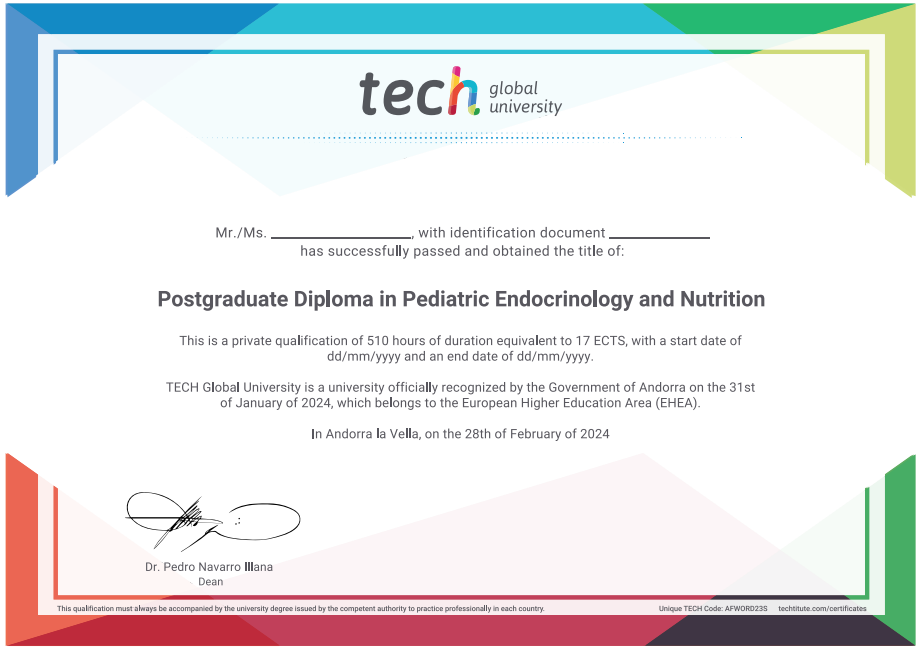
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Pediatric Endocrinology and Nutrition**

Modality: **online**

Duration: **6 months**

Accreditation: **17 ECTS**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Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Diploma in Pediatric Endocrinology and Nutrition

This is a private qualification of 510 hours of duration equivalent to 17 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*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.

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