

# Postgraduate Certificate

## Milk and Egg Protein Allergy in Children





## Postgraduate Certificate Milk and Egg Protein Allergy in Children

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

Website: [www.techtute.com/pk/medicine/postgraduate-certificate/milk-egg-protein-allergy-children](http://www.techtute.com/pk/medicine/postgraduate-certificate/milk-egg-protein-allergy-children)

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# 01

# Introduction

The frequency of patients with milk and egg protein allergy in pediatric consultations has increased considerably in recent years.

For families, and especially for the child, suffering the causes of this pathology is a negative consequence that can seriously affect their quality of life and social performance. For this reason, the medical specialist must intervene immediately and based on the latest scientific evidence as soon as the diagnosis is made, in order to try to mitigate the symptoms of this food allergy and avoid, as far as possible, a greater effect on the patient. The ability to act quickly and with the guarantee of having the most up-to-date knowledge in the treatment and management of these cases can be acquired thanks to this complete 100% online program and the support of the team of experts that this university will make available to you.





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*By enrolling in this Postgraduate Certificate, you will be accessing a 100% online and multidisciplinary qualification, which delves into the intricacies of food allergy in the pediatric age”*

In general, it is very common to confuse food intolerances with allergies to certain foods such as eggs or milk. And although both are uncomfortable conditions for the patient, the truth is that suffering from an allergy can lead to a serious health problem that, in the worst case, could cause a fatal anaphylactic shock.

Unfortunately, the presence of both milk protein and ovalbumin is very frequent in foods and drugs in which, on many occasions, it is unknown, so that the immunological reactions that are generated end up occupying a large part of the waiting list in Pediatrics. Given that the quality of life of the young person can be seriously affected by this pathology, the specialist must know in detail the latest developments in its treatment, in order to be able to offer an alternative with a greater guarantee of success.

For this reason, and with the aim of enabling the graduate to update their knowledge in a way that is perfectly compatible with the day-to-day running of their practice, TECH has developed this qualification. It is a comprehensive program that combines the generalities of food allergy diagnosis with the most complete and specific information on its treatment and clinical management.

Distributed over 150 hours, this program is presented as a unique opportunity to expand and perfect your medical skills through a dynamic, multidisciplinary and online syllabus, which also includes hours of additional material to delve into each section in a personalized way.

This **Postgraduate Certificate in Milk and Egg Protein Allergy 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 Pediatrics and Allergology
- The graphic, schematic, and practical contents with which they are created, 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
- Its special emphasis on innovative methodologies
- 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



*TECH presents you with the most exhaustive curriculum to bring you up to date on the latest skin and oral tolerance tests"*

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*Enterocolitis due to ingestion of a food with active allergens can cause serious health problems in the patient. Thanks to this Postgraduate Certificate you will learn the latest medical tools to address and treat it with greater guarantee of success"*

The program's teaching staff includes professionals from the sector 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 throughout the program. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Having a comprehensive and up-to-date knowledge of food allergies will allow you to more quickly diagnose the triggering cause of this immune response.*

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



# 02 Objectives

When families bring their children to the pediatric office, they expect to receive the best possible care from the specialist. TECH is aware that these professionals are perfectly qualified to fulfill this task, however, sometimes they cannot use the best methods based on the latest scientific evidence because the vortex of their practice prevents them from keeping up to date. For this reason, the objective of this qualification is precisely to mitigate this need and provide them with all the tools that will allow them to act, from the beginning of this Postgraduate Certificate, based on the latest developments in the sector.







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*Delve into the latest interventions in the primary prevention of trace cow's milk and egg allergy will allow you to avoid more negative consequences in the development of the pediatric patient's health"*



## General Objectives

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- Know in detail the latest developments in the management of pediatric patients with milk and egg allergy
- Establish the guidelines and recommendations to implement an effective and highly beneficial immunotherapy treatment for the child or adolescent



*Whatever your main objective, with this qualification, you will have the most comprehensive and up-to-date knowledge of food allergens and their clinical management"*





## Specific Objectives

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- Analyze how an oral food tolerance test is performed
- Delve into the indications for restrictive diets and active treatments for food allergy
- Get to know the pathways of sensitization and tolerance to food allergens
- Be able to comprehensively care for the patient with cow's milk protein allergy
- Be able to comprehensively care for the patient with egg allergy
- Get to know the common non-IgE-mediated food allergies of onset in infancy
- Get to know the possible primary prevention measures in food allergy

# 03

## Course Management

Being part of the teaching staff of this type of qualification is, for many professionals, a unique opportunity to be able to share their work experience, techniques and most effective medical strategies with hundreds of specialists. For this reason, the graduate who accesses this Postgraduate Certificate will be able to share with experts in Pediatrics and Allergology with extensive experience in the sector, their concerns and doubts, as well as actively participate in the debates that they propose in order to make this educational experience more dynamic and enriching.





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*In this Postgraduate Certificate, you will find a teaching team committed to your professional growth. They are experienced colleagues who will not hesitate to share their strategies with you"*

## Management



### Dr. Troyano Rivas, Carmen

- ◆ Assistant Physician of the Pediatrics Department in the Allergy and Pediatric Pulmonology Section of the 12 de Octubre Hospital
- ◆ Collaborating Professor at the Complutense University of Madrid
- ◆ Degree in Medicine from the Complutense University of Madrid
- ◆ MIR Specialist in Pediatrics and its specific areas at the Móstoles University Hospital

## Professors

### Dr. Quevedo Teruel, Sergio

- ◆ Specialist Pediatrician at Severo Ochoa Hospital
- ◆ PhD in Advances in Pediatrics from the Autonomous University in Madrid
- ◆ Doctorate in Social and Health Research at the Alfonso X El Sabio University.
- ◆ Degree in Medicine and Surgery from the Complutense University of Madrid
- ◆ Master's Degree of Neonatology of the Seneo at the Catholic University of Valencia San Vicente Martir



# 04

## Structure and Content

The content of this Postgraduate Certificate has been developed based on the prestigious and effective *Relearning* methodology. In this way, the most important programming concepts are reiterated throughout the syllabus, favoring a natural and gradual learning process. In this way, the graduate will not have to invest long and tedious hours of study in memorizing. In addition, thanks to all the additional material that the teaching team has selected specifically for this qualification, you will be able to delve into each section in a personalized way and contextualize the information received in a dynamic and highly beneficial way for your professional performance.







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*In just 150 hours you will be able to master the most innovative strategies based on oral egg and milk immunotherapy, from wherever you want and with a fully customized schedule"*

## Module 1. Food Allergy and the Most Frequent Food Allergens in the Pediatric Age Group

- 1.1. Approach to the Patient with Food Allergy
  - 1.1.1. Medical History
  - 1.1.2. Diagnostic Generalities
    - 1.1.2.1. Skin Tests
    - 1.1.2.2. Oral Tolerance Tests
    - 1.1.2.3. In Vitro Determination
  - 1.1.3. Treatment of Food Allergy
    - 1.1.3.1. Avoidance
    - 1.1.3.2. Active Treatments
- 1.2. Food Allergens Approach
  - 1.2.1. General Aspects
  - 1.2.2. Protein Stability
  - 1.2.3. Effects of Processing
  - 1.2.4. The Digestive System as an Immune Organ
- 1.3. Allergy to Cow's Milk Proteins
  - 1.3.1. Epidemiology
  - 1.3.2. Natural History
  - 1.3.3. Diagnosis
- 1.4. Avoidance Therapy in Cow's Milk Protein Allergy
  - 1.4.1. Hydrolyzed Formulas
  - 1.4.2. Vegetable Formulas
- 1.5. Oral Immunotherapy to Cow's Milk Proteins
  - 1.5.1. Indications
  - 1.5.2. Rapid Protocol
  - 1.5.3. Slow Protocol for Anaphylactic Patients



- 1.6. Egg Allergy
  - 1.6.1. Epidemiology
  - 1.6.2. Natural History
  - 1.6.3. Diagnosis
  - 1.6.4. Treatment
- 1.7. Oral Egg Immunotherapy
  - 1.7.1. Indications
  - 1.7.2. Tolerance Induction with Raw Egg
  - 1.7.3. Tolerance Induction with Boiled Egg
  - 1.7.4. Tolerance Induction with Baking
- 1.8. Non-IgE-Mediated Allergies
  - 1.8.1. Allergic Proctocolitis
  - 1.8.2. Food Protein-Induced Enterocolitis
  - 1.8.3. Food Protein Enteropathy
- 1.9. Nutritional Aspects of Food Allergy
- 1.10. Possible Interventions in the Primary Prevention of Cow's Milk and Egg Allergy

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*The time has come to make a decision. By investing today in TECH and in this Postgraduate Certificate, you will be able to offer your patients tomorrow an even more specific, effective and distinctive treatment”*

# 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 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.

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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. 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 Certificate in Milk and Egg Protein Allergy in Children guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate 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 Certificate in Milk and Egg Protein Allergy in Children** contains the most complete and up-to-date scientific program scientific the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations and professional career evaluation committees.

Title: **Postgraduate Certificate in Milk and Egg Protein Allergy in Children**

Official N° of Hours: **150 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.

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present

online training

development

languages

virtual classroom

**tech** technological  
university

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Allergy in Children

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