

# Postgraduate Certificate

## Oculo-Nasal Allergy in the Child





## Postgraduate Certificate Oculo-Nasal Allergy in the Child

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Global University
- » Credits: 6 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-certificate/oculo-nasal-allergy-child](http://www.techtute.com/us/medicine/postgraduate-certificate/oculo-nasal-allergy-child)

# 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

Oculo-nasal allergies can seriously affect the quality of life of children and adolescents, negatively influencing their development and perception. This is why this pathology should not be treated as a minor problem, and the specialist should match its prevalence with the most effective treatment available. However, for many doctors, keeping up to date with the latest news and scientific advances in their field is a complex task to carry out due to their busy schedules. For this reason, TECH has designed this complete 100% online program that will allow you to update your knowledge through a comprehensive agenda designed by experts, so that you can implement the latest strategies in the management of patients with allergic rhinoconjunctivitis in your professional practice.





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*The best opportunity to get up to date  
100% online on oculo-nasal allergies in  
infantile and juvenile patients is before  
you. Enroll now and don't let it pass you by"*

Allergic rhinoconjunctivitis in children and adolescents is often treated as a minor problem without considering how it can affect their life and their personal and social development. It is a pathology with a high prevalence that occurs in many children, which is why specialists in pediatric medicine should know in detail the latest developments regarding its diagnosis and the most effective treatments available to combat them.

This Postgraduate Certificate in Oculo-Nasal Allergy in Child is the perfect program to get up to date in everything related to the pathophysiology and etiopathogenesis of allergic rhinoconjunctivitis through an exhaustive study of this disease. This is a 100% online program that delves into its causes and differential diagnosis, as well as the drugs that have shown the best results in infants. A unique opportunity to study a program that will help the graduates to get up to date in only 180 hours and from the hand of the best experts in the sector.

In order to offer an experience tailored to the needs of the professional, you can customize your own schedule, while the entire syllabus will be available in the Virtual Classroom from day one, and can be downloaded to any device with an Internet connection. A fast, simple and highly beneficial way from an academic point of view to update their knowledge and improve their skills through a modern, dynamic program designed exclusively for professionals like them.

This **Postgraduate Certificate in Oculo-Nasal Allergy in the Child** 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
- ◆ 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 self-assessment can be used 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



*The best opportunity to get up to date 100% online on oculo-nasal allergies in infantile and juvenile patients is before you. Enroll now and don't let it pass you by"*



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*Pollen allergy is one of the most common allergies, so TECH offers you an exclusive section dedicated to its molecular diagnosis and the most effective and innovative recommendations”*

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.

Its multimedia content, developed with the latest educational technology, will provide the professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned experts.

*You will be able to delve into the keys to the importance of health education for allergen avoidance through a new and exhaustive syllabus.*

*You will learn in detail the latest developments in the diagnosis of rhinoconjunctivitis, both from the clinical and etiological point of view.*



# 02 Objectives

TECH and its team of professionals in Pediatrics and Allergology have developed this Postgraduate Certificate so that the professional can update their knowledge in a comprehensive manner and balanced with their working life. For that reason, the objective of this qualification is to provide them with all the educational tools that will help them to fulfill this task in a complete and absolute way, positively influencing the development and improvement of their medical skills and competences.







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*You will be able to update your knowledge immediately and completely in just a few weeks”*



## General Objectives

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- ◆ Be able to make a diagnosis based on the latest scientific evidence regarding Oculo-Nasal allergies in pediatric patients
- ◆ Analyze the characteristics of this type of allergies and to know in detail the most updated developments based on their management and treatment



*In the syllabus you will find a section dedicated exclusively to the specifics of allergy to animal epithelia, dust mites and damp fungi"*





## Specific Objectives

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- ◆ Delve into the impact of allergic rhinoconjunctivitis on the patient and society
- ◆ Further treatment of rhinoconjunctivitis according to the ARIA guidelines
- ◆ Get to know the geographic and climatic distribution of the different allergens
- ◆ Be able to make a diagnosis by components to discern cross reactivities from real ones

03

# Course Management

For the development of the management and teaching staff of this Postgraduate Certificate, TECH has taken into account three factors: that they are specialists in Pediatric Medicine or Allergology, that they have extensive experience in the management of clinical cases of patients with food or drug allergies and that they are willing to commit to the work of updating the graduate. This is what has allowed this university to form a quality, professional and multidisciplinary faculty.





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*The teaching team will be at your disposal to help you with those parts of the syllabus that generate doubts”*



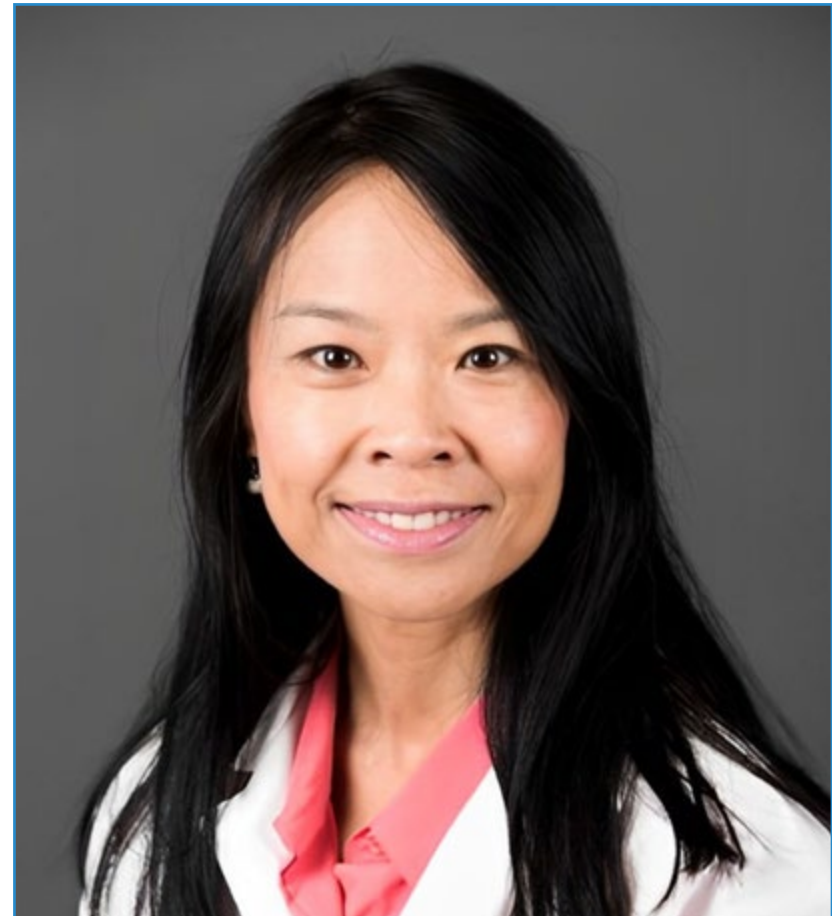
## International Guest Director

With a long and exhaustive specialization in Pediatric Immunology, Dr. Wanda Phipatanakul has dedicated her medical career to the re-education and prevention of Asthma and Allergic Diseases. Her most significant contribution to this field of health has been to promote the construction of a deep network of community relations and to carry out several studies in schools and homes directly.

With this research approach, the expert seeks to reduce the social disparity in access to early diagnosis and treatment. For this reason, her projects have received continuous funding for more than 2 decades from the National Institute of Health of the United States (NIH). Her most important current projects are an Asthma Intervention in Schools study, together with the National Institute of Allergy and Infectious Diseases (NIAID), and an evaluation of the Sleep Environment in Youth, in collaboration with the National Heart, Lung and Blood Institute (NHLBI).

On the other hand, he participates in research on the use of Omalizumab for the prevention of chronic respiratory diseases and atopic progression. She is also leading an analysis on the response to Dupilumab in asthmatic patients with a specific genetic variant. All this while serving as Director of the Immunology Research Center at Boston Children's Hospital and teaching in academic programs at Harvard Medical School.

She is also a prolific author with over 400 scientific publications in top impact journals such as JAMA and the New England Journal of Medicine. She is also an associate editor of the Journal of Allergy Clinical Immunology (JACI). She has received numerous awards from institutions such as the American Academy of Pediatrics and is an honorary member of several academic societies.



## Dra. Wanda Phipatanakul

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- Director of the Immunology Research Center at Boston Children's Hospital, United States
- Academician in the Division of Immunology and Allergy at Harvard University Medical School
- Leader of several joint research projects with the NIH, NIAID and the NHLBI
- Associate Editor of the Journal of Allergy Clinical Immunology
- Author of over 400 publications in top impact scientific journals JAMA and the New England Journal of Medicine
- Medical Degree from Loma Linda University
- Immunology Research Fellow at Johns Hopkins University  
Member of: American Academy of Pediatrics, American Academy of Allergy, Asthma and Immunology, American Society for Clinical Investigation, American Association of Physicians

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

## Management



### Dr. Troyano Rivas, Carmen

- ♦ Specialist in Pediatrics expert in Pediatric Allergology
- ♦ Assistant Physician of the Pediatrics Department in the Allergy and Pediatric Pulmonology Section of the 12 de Octubre Hospital
- ♦ Researcher in research projects and clinical trials on Pediatric Allergology
- ♦ Author and co-author of several publications for scientific magazines
- ♦ Teacher in university studies of Medicine
- ♦ Speaker at several Pediatric Allergology congresses

## Professors

### Dr. Tortajada Girbés, Miguel

- ♦ Pediatrician with expertise in Pneumology and Allergies
- ♦ Pediatrician at Doctor Peset University Hospital
- ♦ Head of Pneumology and Pediatric Allergy at the La Fe University and Polytechnic Hospital
- ♦ PhD in Medicine and Surgery from the University of Valencia
- ♦ Member of: European Academy of Allergology and Clinical Immunology, Spanish Association of Paediatrics

### Dr. Navío Anaya, María

- ♦ Pediatric Physician
- ♦ Elective Physician Pediatrics and its specific areas at Doctor Peset University Hospital
- ♦ PhD in Medicine and Surgery from the University Jaime I
- ♦ Member of: Spanish Association of the Valencian Pediatrics Society



**Dr. Mesa del Castillo Payá, María**

- ◆ Pediatrician specialized in Allergology
- ◆ FEA in Pediatrics in the Allergy and Pneumology Section of the El Escorial University Hospital
- ◆ Pediatrician specialized in Pediatric Allergy at La Moncloa Hospital
- ◆ Vice President of Society Spanish Society of Clinical Immunology, Allergy and Pediatric Asthma
- ◆ Hospital Tutor for Family and Community Medicine Residents at the El Escorial University Hospital
- ◆ Author of numerous scientific publications

**Dr. Mansilla Roig, Beatriz**

- ◆ Primary Care Pediatrician
- ◆ Specialist in Pediatrics and its specific areas in Hospital Doctor Peset Valencia
- ◆ Vocal of Residents of the Spanish Association of Primary Care Pediatrics
- ◆ Master's Degree in Pediatrics in Primary Care by the Complutense University of Madrid
- ◆ Master's Degree in Pediatric Dermatology by CEU Cardenal Herrera University CEU Cardenal Herrera University

# 04

## Structure and Content

For the development of the management and teaching staff of this Postgraduate Certificate, TECH has taken into account three factors: that they are specialists in Pediatric Medicine or Allergology, that they have extensive experience in the management of clinical cases of patients with nasal-ocular allergies and that they are willing to commit to the work of updating the graduate. This is what has allowed this university to form a quality, professional and multidisciplinary faculty.







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*You will have access to several real clinical cases of children and adolescents with oculo-nasal allergies, so that you can put your skills into practice and perfect your medical competencies"*

## Module 1. Eye-Nasal Allergy

- 1.1. Prevalence
  - 1.1.1. Quality of Life of the Patient with Eye-Nasal Allergy
  - 1.1.2. Socio-Economic Cost
- 1.2. Etiopathogenesis
- 1.3. Diagnosis of Rhinoconjunctivitis
  - 1.3.1. Clinical symptoms
  - 1.3.2. Etiological
- 1.4. Differential Diagnosis
- 1.5. Pharmacological Treatment of Allergic Rhinoconjunctivitis
- 1.6. Health Education for Allergen Avoidance
- 1.7. Pollen Allergy
  - 1.7.1. Epidemiology
  - 1.7.2. The Pollen Molecule
  - 1.7.3. Pollen Classification
  - 1.7.4. Geographical Distribution of Pollens
  - 1.7.5. Main Allergens
  - 1.7.6. Molecule Diagnostics in Pollen Allergy
- 1.8. Allergy to Animal Epithelia
  - 1.8.1. Epidemiology
  - 1.8.2. Main Allergens
  - 1.8.3. Molecular Diagnosis in Allergy to Animal Epithelia





- 1.9. Dust Mite Allergy
  - 1.9.1. Epidemiology
  - 1.9.2. Mites
  - 1.9.3. Distribution of Mites according to Climate
  - 1.9.4. Main Allergens
  - 1.9.5. Molecular diagnosis
- 1.10. Allergy to Damp Fungi
  - 1.10.1. Epidemiology
  - 1.10.2. Moisture Molds
  - 1.10.3. Distribution of Fungi according to Climate
  - 1.10.4. Main Allergens
  - 1.10.5. Molecular diagnosis

“*The time has come to make a decision. Don't miss this opportunity to get up to speed with the world's largest medical school*”



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 Oculo-Nasal Allergy in the Child guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Global University.



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

This program will allow you to obtain your **Postgraduate Certificate in Oculo-Nasal Allergy in the Child** 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 Certificate in Oculo-Nasal Allergy in the Child**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



\*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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