

# Postgraduate Certificate Infantile Atopic Dermatitis





## Postgraduate Certificate Infantile Atopic Dermatitis

- » 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/infantile-atopic-dermatitis](http://www.techtute.com/us/medicine/postgraduate-certificate/infantile-atopic-dermatitis)

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# 01

# Introduction

Infantile Atopic Dermatitis is one of the main reasons for consultation in Pediatrics. It is a skin condition that causes, among other symptoms, an intense itching that is very uncomfortable for patients and can even influence the deterioration of their quality of life. Therefore, the intervention of a specialist is essential to determine the cause of this pathology and to use the most appropriate treatment according to the specifics of its origin. The amount of information that exists on the subject is what has motivated TECH to create this very complete qualification, presented as an educational tool that will allow the specialist to delve into this disorder and update their knowledge on the subject. All this through a 100% online program that is perfectly compatible with their professional life.



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*TECH presents the most complete and avant-garde Postgraduate Certificate in Infantile Atopic Dermatitis in the educational sector, oriented to professionals who, like you, are looking to update their knowledge comfortably and quickly"*

Cases of atopic dermatitis in infantile-juvenile patients, especially in infants, are very frequent in pediatric consultations. Every day, dozens of concerned parents who have detected itching, reddening of the skin or oozing bumps in their children come to the specialists and demand an accurate diagnosis, as well as a treatment that helps to alleviate the symptoms of this pathology.

In this type of situations, the professional must know in detail the latest medical specifications in relation to the protocols of identification and management of this disease, being able to act with the total guarantee of doing so based on the most current and effective scientific evidence. However, TECH is aware that, on many occasions, these specialists do not have enough time to keep up to date with all the advances in their fields, so it has considered it essential to design a qualification that facilitates this task, guaranteeing the best results.

Based on this, it has created this Postgraduate Certificate in Infantile Atopic Dermatitis, a qualification that covers the most important aspects of this pathology, from the predisposing factors in the etiopathogenesis of its origin, to the most accurate treatments to alleviate the symptoms.

Based on this, it has created this Postgraduate Certificate in Infantile Atopic Dermatitis, a qualification that covers the most important aspects of this pathology, from the predisposing factors in the etiopathogenesis of its origin, to the most accurate treatments to alleviate the symptoms. It is, therefore, a unique opportunity to perfect your skills in the management of this topical disease in a comprehensive manner and through a multidisciplinary, dynamic program of unparalleled quality.

This **Postgraduate Certificate in Infantile Atopic Dermatitis** 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 work
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



*You will delve into the etiopathogenesis of infantile atopic dermatitis, its predisposing factors, the dysfunction of the cutaneous barrier and immunological alterations"*



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*You will be able to get up to date, in less than 6 weeks, on the general rules for the care of atopic skin: hygiene, nutrition, environmental rules, etc”*

The program's teaching staff includes professionals from 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, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Thanks to this program, you will learn about the latest developments with regard to topical drugs and systemic treatments in the approach of Infantile Atopic Dermatitis.*

*This Postgraduate Certificate provides an exhaustive analysis of when and how a food allergy should be assessed as a cause of Infantile Atopic Dermatitis.*



# 02 Objectives

Since Infantile Atopic Dermatitis is such a common reason for consultation in Pediatrics, the objective of this Postgraduate Certificate is to allow the graduate to delve into the new developments of its specifications, so that they can obtain a broad and up-to-date knowledge on the most effective diagnostic and treatment protocols. In this way, they will be able to improve their skills in the management of children's patients suffering from this pathology, promoting an even more complete and professional medical service.







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*Whatever your goals are, this Postgraduate Certificate will give you the keys and tools you need to achieve them in less time than you think”*



## General Objectives

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- ◆ Know in detail the latest developments in the management of pediatric patients with atopic dermatitis
- ◆ In-depth study of the most effective treatments for eczema and provide the graduate with specific knowledge of the indications and contraindications of each one



*This is a 100% online qualification that includes in its content hours of high-quality additional material, including detailed videos and photographs to see the different representations of eczema”*





## Specific Objectives

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- ◆ Be able to make a diagnosis of atopic dermatitis
- ◆ Delve into clinical forms throughout the lifespan
- ◆ Learn about the available scales for severity assessment
- ◆ Perform health education advice for the care of atopic skin
- ◆ Delve into the possible complications of atopic dermatitis and its treatment
- ◆ Become familiar with the different drugs and routes of administration used in atopic dermatitis

# 03

## Course Management

TECH has selected for this Postgraduate Certificate a team of specialists in Pediatric Medicine and Allergology with a wide and extensive professional experience. This is a group of professionals, well-versed in the management of complex clinical cases, who will bring to this qualification their experience and medical criteria, with the aim of giving it a plus of quality and timeliness. In addition, they will be available to the graduate during the entire program in order to resolve any questions that may arise during the course of the program.







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*The teaching team has selected exclusively for this qualification a set of real clinical cases with which you will be able to contextualize and put your knowledge into practice”*



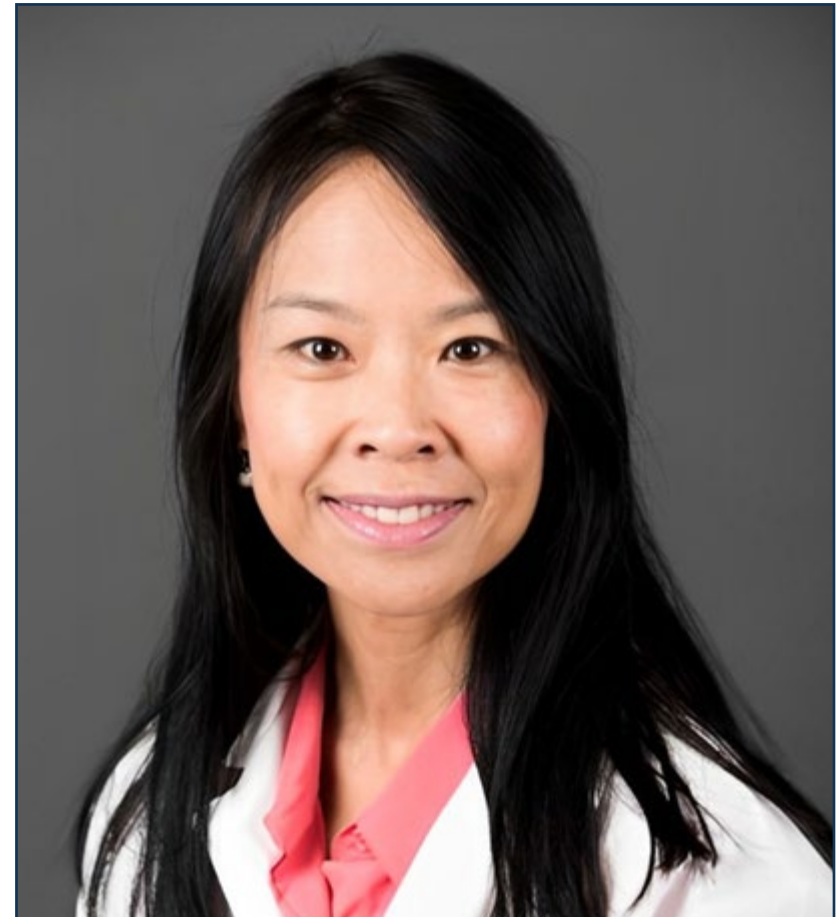
## International Guest Director

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. Phipatanakul, Wanda

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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

- ♦ Assistant Physician of the Pediatrics Department in the Pulmonology and Pediatric Allergy Section of the 12 de Octubre University 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 La Fe University Hospital, Valencia

## Professors

### Dr. Valderrama Arnay, Sara

- ♦ Specialist in Pediatric Allergy and Pulmonology at the Móstoles University Hospital
- ♦ Honorary Tutor at Rey Juan Carlos University
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Specialty in Pediatric Allergy and Pulmonology at the 12 de Octubre University Hospital



# 04

## Structure and Content

Offering a different, dynamic and quality educational experience is one of the main principles that define and give prestige to this University. For this reason, for the conformation of this Postgraduate Certificate, TECH has used the most innovative educational and pedagogical tools in the postgraduate educational sector, which include not only the best syllabus, but also dozens of hours of high-quality additional material in different formats. In addition, all this content can be downloaded from the beginning of the qualification so that the graduate can consult it whenever they want and need it.







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*A perfectly structured program so that you can implement into your medical practice the latest developments in antihistamines, systemic corticosteroids, immunomodulators and biologic drugs to treat Infantile Atopic Dermatitis”*

## Module 1. Atopic Dermatitis

- 1.1. Etiopathogenesis
  - 1.1.1. Predisposing Factors
  - 1.1.2. Skin Barrier Dysfunction
  - 1.1.3. Immunological Alterations
- 1.2. Diagnosis
  - 1.2.1. Clinical Diagnosis
  - 1.2.2. Severity Assessment
  - 1.2.3. Differential Diagnosis
- 1.3. Complications of Atopic Dermatitis
  - 1.3.1. Infectious
  - 1.3.2. Non-Infectious
- 1.4. General Guidelines for Atopic Skin Care
  - 1.4.1. Hygiene
  - 1.4.2. Feeding
  - 1.4.3. Dresses and Clothing
  - 1.4.4. Environmental Guidelines
- 1.5. Treatment Objectives
  - 1.5.1. Treatment of the Inflammation
  - 1.5.2. Itching Control
  - 1.5.3. Restoration of the Skin Barrier
- 1.6. Topical Drugs
  - 1.6.1. Emollients
  - 1.6.2. Topical corticosteroids
  - 1.6.3. Use of Topical Immunomodulators



- 1.7. Systemic Treatment
  - 1.7.1. Antihistamines
  - 1.7.2. Systemic Corticoids
  - 1.7.3. Systemic Immunomodulators
  - 1.7.4. Biological Drugs
- 1.8. Treatment of Infectious Complications
  - 1.8.1. Infections of Viral Etiology
  - 1.8.2. Infections of Bacterial Etiology
- 1.9. When and How to Assess Food Allergy as a Cause of Atopic Dermatitis?
- 1.10. Contact Dermatitis

“*Forget about face-to-face classes and welcome the educational methodology of the present and the future with this 100% online Postgraduate Certificate*”



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.*





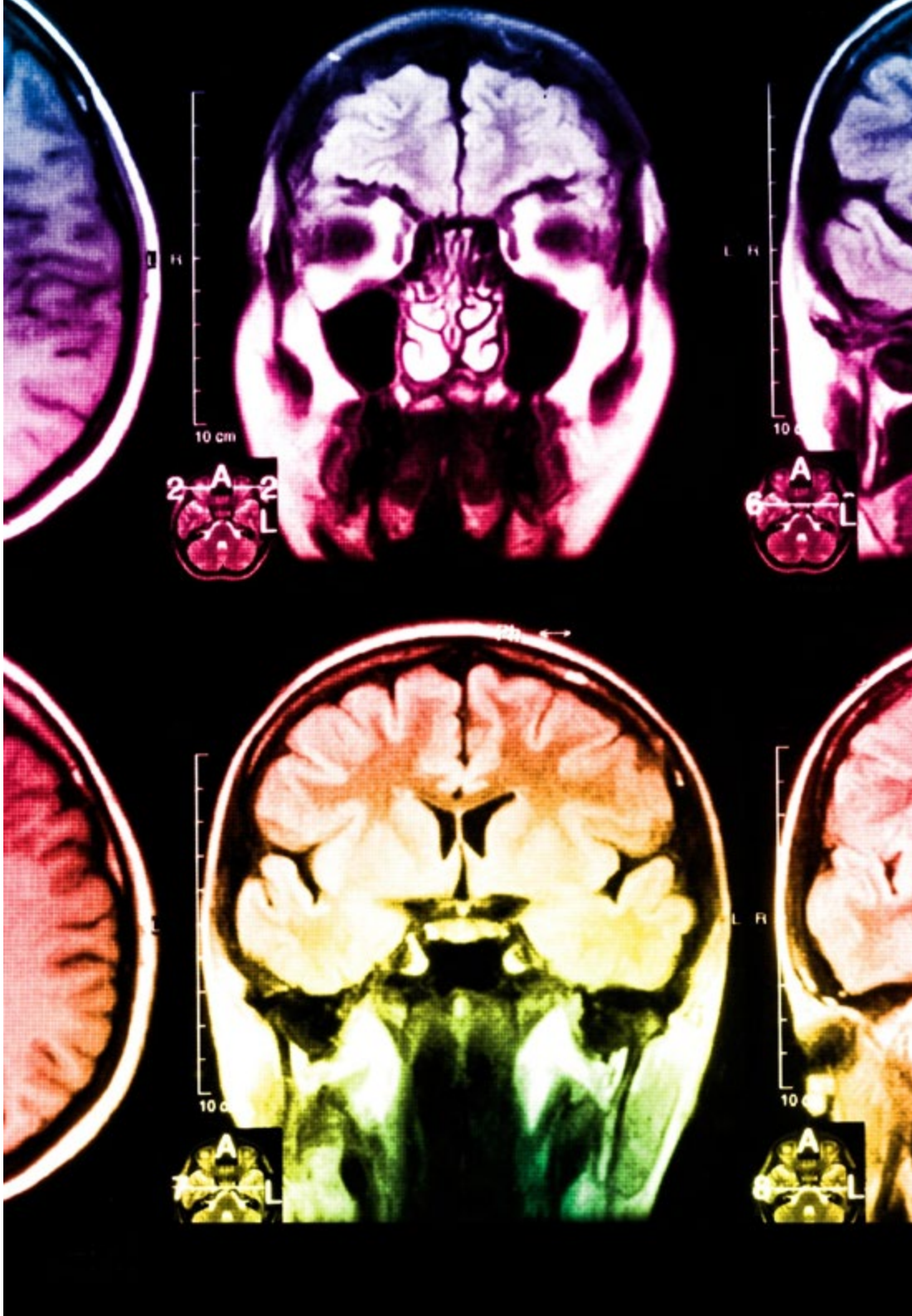
At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

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.

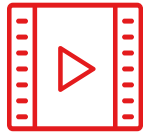
*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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 adapted in 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

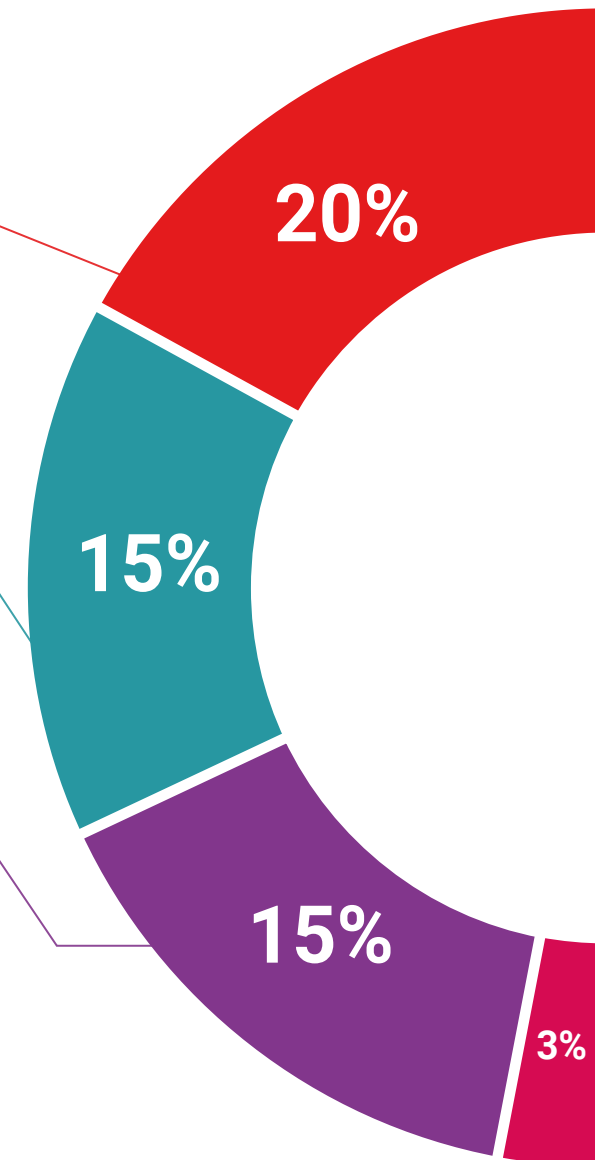
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

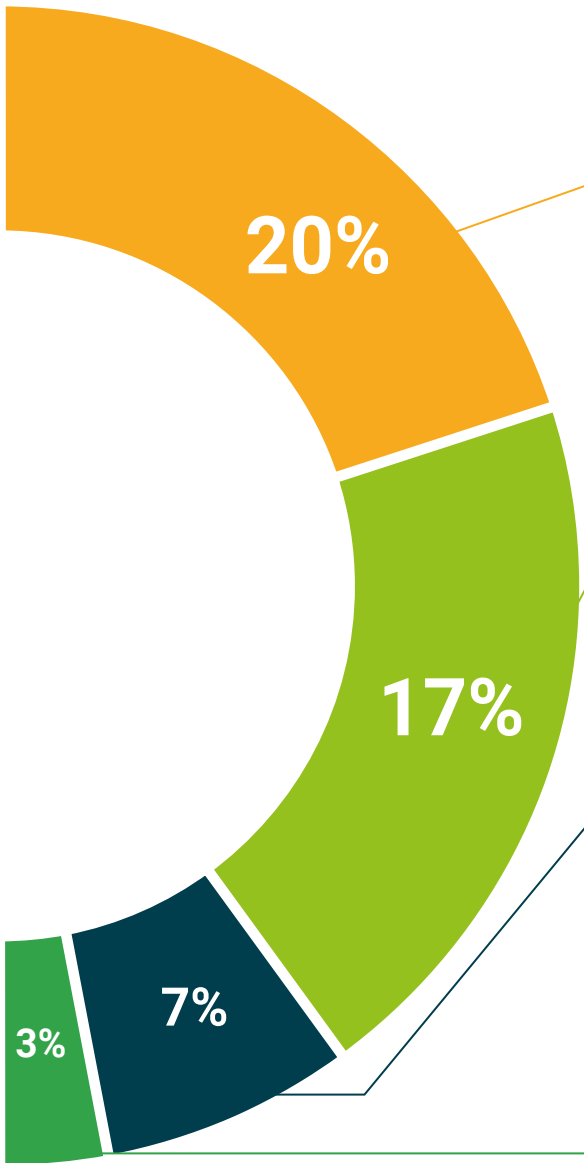


#### Additional Reading

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 Infantile Atopic Dermatitis 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 Infantile Atopic Dermatitis** 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 Infantile Atopic Dermatitis**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





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



## Postgraduate Certificate Infantile Atopic Dermatitis

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- » Credits: 6 ECTS
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