

# Postgraduate Diploma

Dermatoses, Blistering Diseases  
and Tumor Pathology in Pediatric  
Dermatology





## Postgraduate Diploma

### Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology

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

Website: [www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-dermatoses-blistering-diseases-tumor-pathology-pediatric-dermatology](http://www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-dermatoses-blistering-diseases-tumor-pathology-pediatric-dermatology)

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# 01

# Introduction

Pediatric dermatology constitutes an important part of the healthcare activity of any dermatologist. In the case of specialized units, these may account for up to 100% of their healthcare work.





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*Improve your knowledge in Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology through this program, where you will find the best didactic material with real clinical cases and high resolution images"*

Not all professionals feel comfortable caring for pediatric patients, due to the intrinsic characteristics of this subspecialty of dermatology. But it is vitally important to have up to date knowledge in this area in order to provide quality care to the smallest of patients.

At the diagnostic level, the advances that are being made in the knowledge of the etiology of each of the diseases, emerging pathologies, new imaging and laboratory techniques, and diagnostic algorithms that are in continuous renewal, leads us to the need to keep our knowledge of Pediatric Dermatology and other related specialties (Pediatrics, Genetics, Radiology, etc.) updated.



*This Postgraduate Diploma in Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology contains the most complete and up to date scientific program on the market"*

This **Postgraduate Diploma in Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology** contains the most complete and up to date scientific program on the market. The most important features of the program include:

- ♦ The use of case studies presented by experts in Pediatric Dermatology
- ♦ The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Advances in Pediatric Dermatology
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ Emphasis on innovative methodologies in Pediatric Dermatology
- ♦ 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

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*This Postgraduate Diploma is the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology, you will obtain a certificate from TECH Technological University"*

*Increase your confidence in decision making by bringing your knowledge up to date with this Postgraduate Diploma.*

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

The program's teaching staff includes professionals from the sector who contribute their work experience to this program, in addition to renowned specialists from leading societies and prestigious universities.

Its 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 an immersive education programmed to learn in real situations.

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



02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that the professional can master in a practical and rigorous way the Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology.





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*This Postgraduate Diploma will allow you to specialize in Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology with the use of the latest educational technology, to contribute with quality and safety to decision making”*



## General Objective

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- Update knowledge in pediatric dermatology based on the latest scientific evidence in order to contribute with quality and safety to the practical work in this field



*Take the step to get up to date on the latest developments in Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology"*





## Specific Objectives

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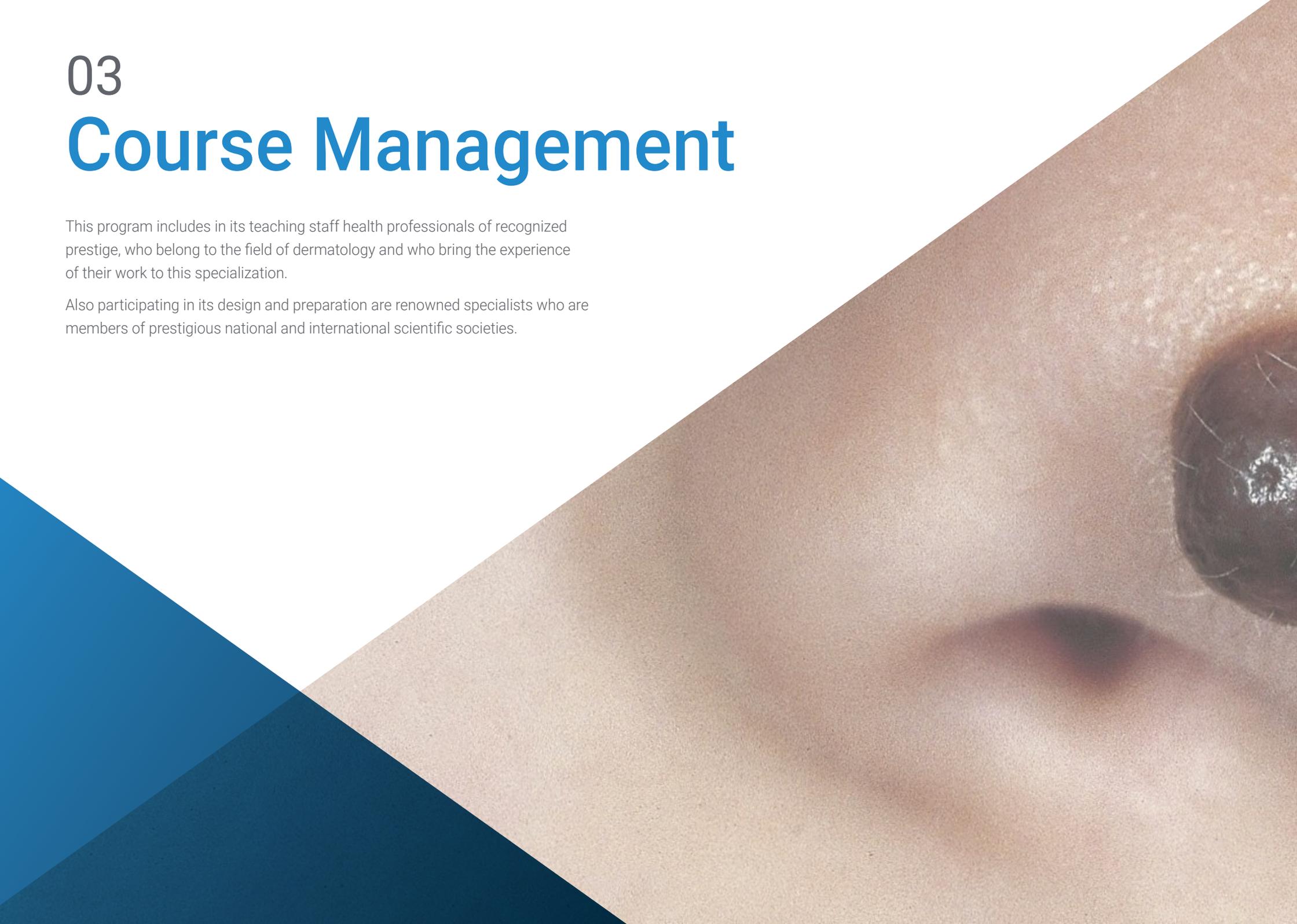
- ◆ Describe the physiological changes in the skin of the newborn, in order to know them and differentiate them from pathological situations
- ◆ Identify benign lesions and transient lesions that may appear in the neonatal period
- ◆ Explain possible developmental disorders with cutaneous expression
- ◆ Develop knowledge on the hereditary and autoimmune blistering diseases of childhood, allowing us to delve into new etiological classifications and to focus on new therapeutic developments that will be coming in the next few years
- ◆ Establish scientifically evidenced protocols for the use of immunosuppressants in childhood and the management of patients immunosuppressed by drugs
- ◆ Define the need to introduce new noninvasive imaging techniques into daily clinical practice and the diseases in which these techniques may be useful
- ◆ Apply laser and surgical techniques with an in-depth knowledge of their use, pros and cons

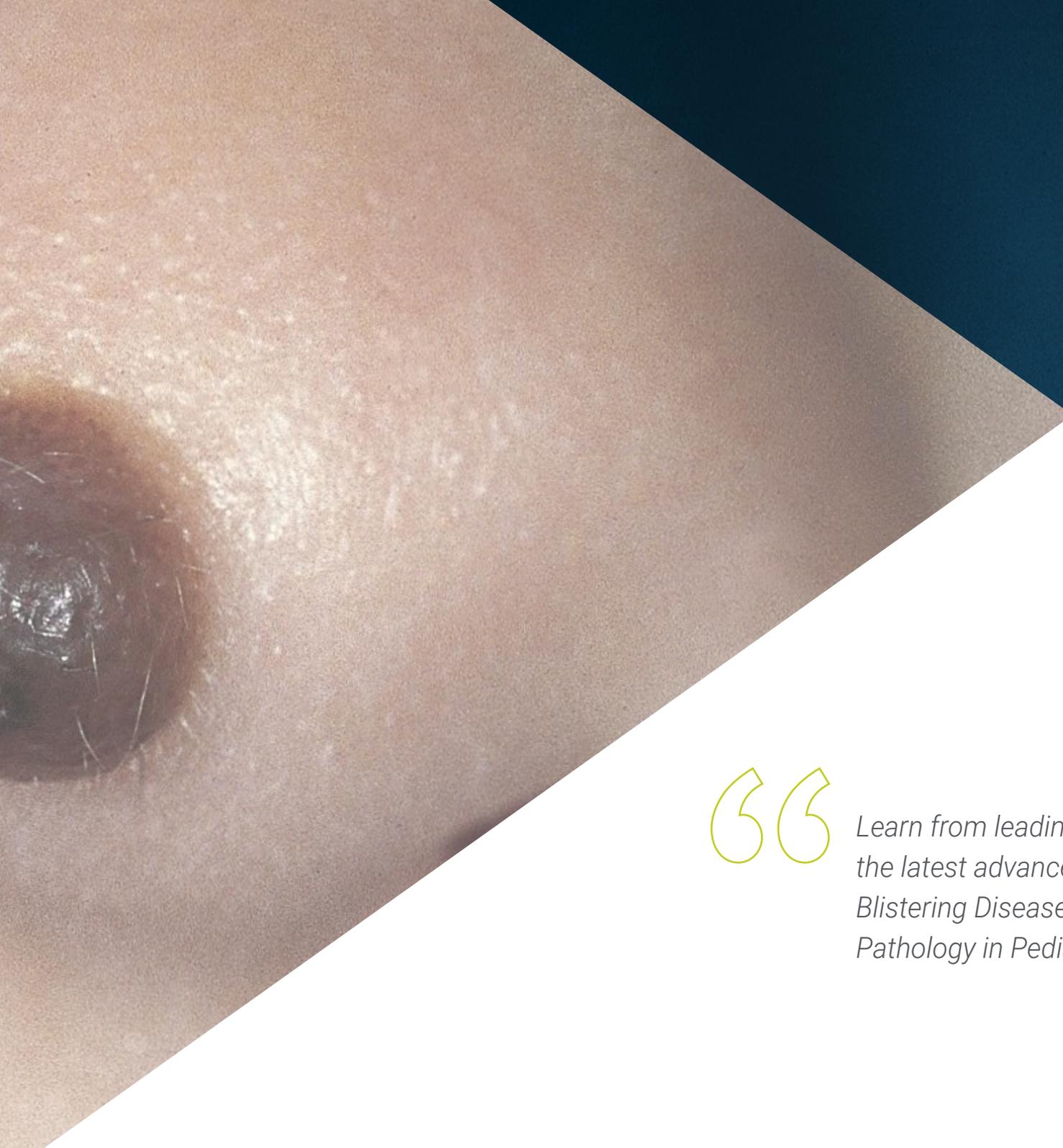
03

# Course Management

This program includes in its teaching staff health professionals of recognized prestige, who belong to the field of dermatology and who bring the experience of their work to this specialization.

Also participating in its design and preparation are renowned specialists who are members of prestigious national and international scientific societies.





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*Learn from leading professionals  
the latest advances in Dermatoses,  
Blistering Diseases and Tumor  
Pathology in Pediatric Dermatology"*

## International Guest Director

Dr. Kalyani S. Marathe is a leading figure in the field of **Pediatric Dermatology**, especially in the diagnosis and management of vulvar pathologies. A brilliant career of more than two decades of clinical and care experience, which has led her to assume positions of high responsibility as director of the Division of Dermatology. Because of this, and given her commitment to the treatment of children, she is affiliated with relevant children's hospitals in Cincinnati, such as Children's National Hospital and Cincinnati Children's Hospital Medical Center.

In this way, Marathe has become an internationally recognized specialist for her excellence in the care of skin conditions affecting children and adolescents, such as **Atopic Dermatitis, Birthmarks, Psoriasis or Epidermolysis Bullosa**. In this sense, this expert actively participates in every phase of the medical process, from the issuance of diagnoses in the clinical setting, through the performance of biopsies and the execution of laboratory analyses, to culminate with the implementation of appropriate treatments.

In addition to her outstanding career in healthcare, Marathe excels in the field of research, focusing her efforts on vulvar diseases in pediatric patients. A field that has led her to participate in clinical trials and to testify her advances through numerous scientific publications in high impact journals. In this way, her contribution to the knowledge of skin conditions developed in the intimate parts of children is remarkable.

An excellent communicator, her passion is reflected in her dedication to the training of future doctors. As an associate professor in the Department of Pediatrics and the Department of Dermatology at the University of Cincinnati, she has received teaching awards for training residents and medical students.



## Dr. Marathe, Kalyani S.

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- Affiliated with Children's National Hospital and Cincinnati Children's Hospital Medical Center
- Fellowship in Pediatric Dermatology from Columbia University
- Associate Professor in the Department of Pediatrics and the Department of Dermatology at the University of Cincinnati
- Medical Degree from the Virginia Commonwealth University School of Medicine

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

## Management



### Dr. Esteve Martínez, Altea

- ◆ Degree in Medicine and Surgery
- ◆ Doctor Specializing in Dermatology
- ◆ Associate Doctor of the Dermatology Service at the General University Hospital Consortium of Valencia, Spain
- ◆ Head of the Pediatric Dermatology Section at the General University Hospital Consortium of Valencia, Spain
- ◆ Coordinator of the Vascular Anomalies Committee of the General University Hospital Consortium of Valencia, Spain
- ◆ Member of the Spanish Academy of Dermatology and Venereology
- ◆ Vice-president of the Valencian Territorial Section of the Spanish Academy of Dermatology and Venereology
- ◆ Member of the Spanish Group of Pediatric Dermatology

## Professors

### Dr. Martin Hernández, José María

- ◆ Degree in Medicine and Surgery
- ◆ Doctor Specializing in Dermatology
- ◆ Associate Doctor of the Dermatology Service at the Hospital Clínico de Valencia. Spain
- ◆ Head of the Pediatric Dermatology Section at Hospital Clínico de Valencia. Spain

### Dr. Martínez Menchón, María Teresa

- ◆ Degree in Medicine and Surgery
- ◆ Doctor Specializing in Dermatology
- ◆ Associate of Dermatology at the University Hospital Virgen de la Arrixaca (Murcia, Spain).
- ◆ Head of the Pediatric Dermatology Section at the University Hospital Virgen de la Arrixaca. Murcia, Spain

### Dr. Ortega Monzón, Carmen

- ◆ Degree in Medicine and Surgery
- ◆ Doctor Specializing in Dermatology
- ◆ Head of the Dermatology Service at the Hospital de la Ribera. Valencia, Spain
- ◆ Head of the Pediatric Dermatology Section at the Hospital de la Ribera. Valencia, Spain

### Dr. Rodríguez López, Raquel

- ◆ Degree in Medicine and Surgery
- ◆ Doctor Specializing in Dermatology
- ◆ Associate of Clinical Analysis at CHGUV
- ◆ Head of the Medical Genetics Section in Clinical Analysis, General University Hospital Consortium of Valencia, Spain

### Dr. Zaragoza Ninet, Violeta

- ◆ Degree in Medicine and Surgery
- ◆ Doctor Specializing in Dermatology
- ◆ Associate of Dermatology at the General University Hospital Consortium of Valencia, Spain
- ◆ Head of the Cutaneous Allergies and Collagenopathies Section at the General University Hospital Consortium of Valencia, Spain

04

# Structure and Content

The structure of the contents has been designed by a team of professionals from the best educational centers and universities in the country, aware of the relevance of the current relevance of innovative education, and committed to quality teaching through new educational technologies.



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*A comprehensive teaching program,  
structured in well-developed teaching units,  
oriented towards efficient and swift learning  
that is compatible with your personal and  
professional life"*

## Module 1. Review of Congenital and Neonatal Skin Pathology

- 1.1. Physiological Skin Changes Neonates
  - 1.1.1. Neonatal Skin
  - 1.1.2. Physiological Vascular Changes
  - 1.1.3. Physiological Pigmentary Changes
  - 1.1.4. Lanugo and Physiological Changes of the Hair
- 1.2. Benign and Transient Skin and Mucous Membranes Lesions
  - 1.2.1. Milia
  - 1.2.2. Bohn's Nodules and Ebsstein's Pearls
  - 1.2.3. Congenital Epulis and Neonatal Teeth
  - 1.2.4. Suction Calluses
  - 1.2.5. Sebaceous Hyperplasia
  - 1.2.6. Toxic Erythema Neonatorum
  - 1.2.7. Neonatal Acne
  - 1.2.8. Miniature Puberty of the Neonate
  - 1.2.9. Folliculitis Pustulosa Eosinoflica
  - 1.2.10. Melanosis Pustulosa Neonatal Transitoria
  - 1.2.11. Suction Ampoules
  - 1.2.12. Dermatitis Seborreica
- 1.3. Developmental Abnormalities in the Neonate
  - 1.3.1. Facial Abnormalities
  - 1.3.2. Cervical Abnormalities
  - 1.3.3. Alterations at Thoracic-Abdominal Level
  - 1.3.4. Cutaneous Indicators of Dysraphism
  - 1.3.5. What to Do When a Newborn Has Developmental Abnormalities?
- 1.4. Congenital Neonatal Infections
  - 1.4.1. Bacterial Infections
  - 1.4.2. Viral Infections
  - 1.4.3. Fungal Infections
- 1.5. Erosive and Blistering Dermatoses
  - 1.5.1. Erosive Dermatoses and Differential Diagnosis
  - 1.5.2. Blistering Dermatoses and Differential Diagnosis
- 1.6. Neonatal Pathology Associated with Invasive Procedures during Gestation or Childbirth.
  - 1.6.1. Cutaneous Manifestations of Invasive Processes During pregnancy
  - 1.6.2. Cutaneous Manifestations due to Trauma during Childbirth
  - 1.6.3. Subcutaneous Fat Necrosis and Neonatal Scleredema

## Module 2. Eczematous and Papular Desquamative Dermatoses

- 2.1. Pathophysiology and Clinical Manifestations of Atopic Dermatitis (AD)
  - 2.1.1. Epidemiology of AD
  - 2.1.2. Atopic Advance
  - 2.1.3. Pathophysiology DA
  - 2.1.4. Clinical Manifestations of AD in Different Periods of Childhood and Adolescence.
  - 2.1.5. Complications in the Course of AD
- 2.2. Update on the Management and Treatment of Atopic Dermatitis
- 2.3. Seborrheic Dermatitis
  - 2.3.1. Epidemiology
  - 2.3.2. Clinical Manifestations of Seborrheic Dermatitis in Childhood and Adolescence
  - 2.3.3. Management of Seborrheic Dermatitis
- 2.4. Irritant and Allergic Contact Dermatitis
  - 2.4.1. Irritant Contact Dermatitis in Childhood
  - 2.4.2. Allergic Contact Dermatitis in Childhood
- 2.5. Pathophysiology and Clinical Manifestations of Psoriasis
  - 2.5.1. Epidemiology of Psoriasis
  - 2.5.2. Pathophysiology of Psoriasis
  - 2.5.3. Clinical Manifestations of Psoriasis in the Different Periods of Childhood and Adolescence
  - 2.5.4. Psoriatic Arthropathy
- 2.6. Management and Treatment of Infantile-Juvenile Psoriasis
  - 2.6.1. Tests to be Ordered
  - 2.6.2. Step Therapy in Psoriasis
  - 2.6.3. Management of the Patient with Moderate-Severe Psoriasis
- 2.7. Pityriasis Rubra Pilaris and Lichen: Planus, Nitidus, Aureus
  - 2.7.1. Pitiriasis Rubra
  - 2.7.2. Lichen Planus
  - 2.7.3. Liquen Aureus
  - 2.7.4. Liquen Nitidus
- 2.8. Pityriasis Lichenoides and Papulosis Lymphomatoides
  - 2.8.1. Pityriasis Lichenoides
  - 2.8.2. Lymphomatoid Papulosis

**Module 3. Pigmentary Pathology, Benign and Malignant Tumor Pathology**

- 3.1. Nevus
  - 3.1.1. Melanocytic Nevus
  - 3.1.2. Congenital Melanocytic Nevus
  - 3.1.3. Nevus de Becker, Nevus Spilus, Halo Nevus
  - 3.1.4. Nevus de Spitz
  - 3.1.5. Atypical Nevus and Familial Dysplastic Nevus-Melanoma Syndrome
- 3.2. Benign Tumors
  - 3.2.1. Epidermal, Sebaceous, Comedonal Nevus and syndromes
  - 3.2.2. Benign Adnexal Tumors
  - 3.2.3. Benign Dermal, Subcutaneous Cellular Tissue, Muscle and Bone Tumors
- 3.3. Intermediate Malignant and Malignant Tumors
  - 3.3.1. Basal Cell Carcinoma and Squamous Carcinoma
  - 3.3.2. Mastocytosis
  - 3.3.3. Cutaneous lymphomas
  - 3.3.4. Infantile Fibromatosis
  - 3.3.5. Dermatofibrosarcoma Protuberans
- 3.4. Dermatoses Combining Hypo-and Hyperpigmentation and Dermatoses with Hyperpigmentation
- 3.5. Hypopigmented Dermatoses
  - 3.5.1. Pathologies with Congenital / Early Childhood Hypopigmentation
  - 3.5.2. Pathologies with Acquired Hypopigmentation
- 3.6. Melanoma

**Module 4. Advances in Childhood Blistering Diseases**

- 4.1. Hereditary Blistering Diseases
  - 4.1.1. Epidermolysis Bullosa Simplex
  - 4.1.2. Junctional Epidermolysis Bullosa
  - 4.1.3. Epidermolysis Bullosa Dystrophica
- 4.2. Advances in the Management and Treatment of Hereditary ADs
- 4.3. Autoimmune Blistering Diseases I
  - 4.3.1. Bullous Pemphigoid
  - 4.3.2. Pemphigus
  - 4.3.3. Chronic Blistering Disease of Childhood

- 4.4. Autoimmune Blistering Diseases II
  - 4.4.1. Epidermolysis Bullosa Acquired
  - 4.4.2. Dermatitis Herpetiformis
  - 4.4.3. Systemic Lupus Erythematosus Lupus Erythematosus, Bullous
- 4.5. Management of Immunosuppressive Drugs in Childhood I
  - 4.5.1. Immunosuppressive Drugs
  - 4.5.2. Indications
  - 4.5.3. Management
- 4.6. Management of Immunosuppressive Drugs in Childhood II
  - 4.6.1. Study of the Patient Candidate for Immunosuppressant Treatment
  - 4.6.2. Vaccination and Subsequent Management of the Patient Candidate for Immunosuppressants



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

05

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.





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

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will 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.

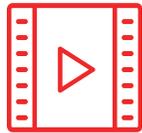
*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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

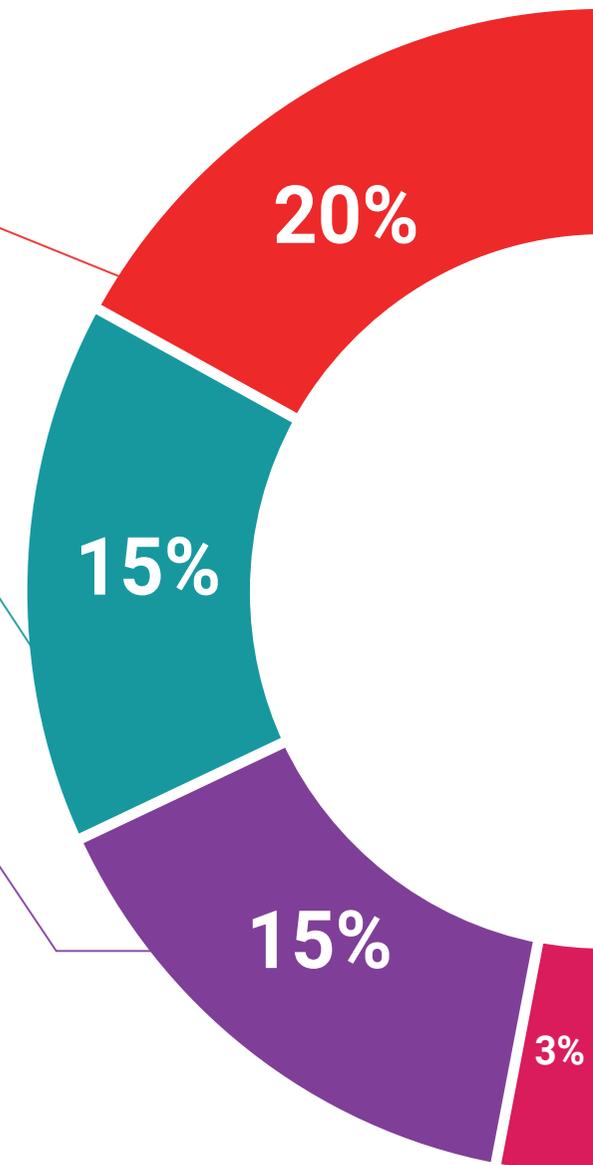
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

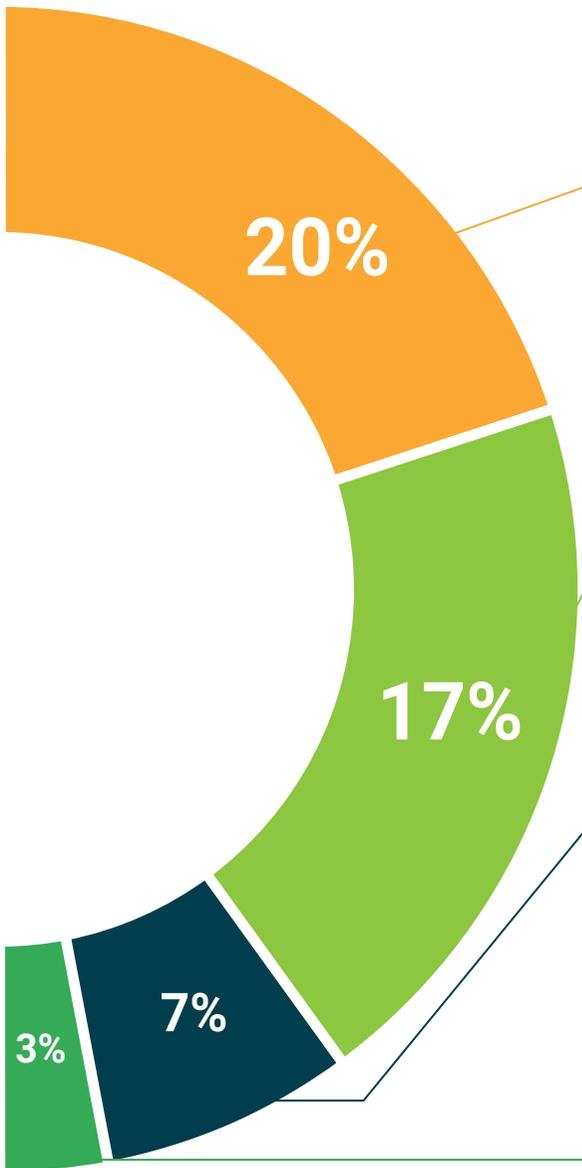
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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 Diploma in Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology guarantees, in addition to the most rigorous and up to date specialization, access to a Postgraduate Diploma certificate issued by TECH Technological University.



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*Successfully complete this program  
and receive your certificate without  
travel or cumbersome paperwork”*

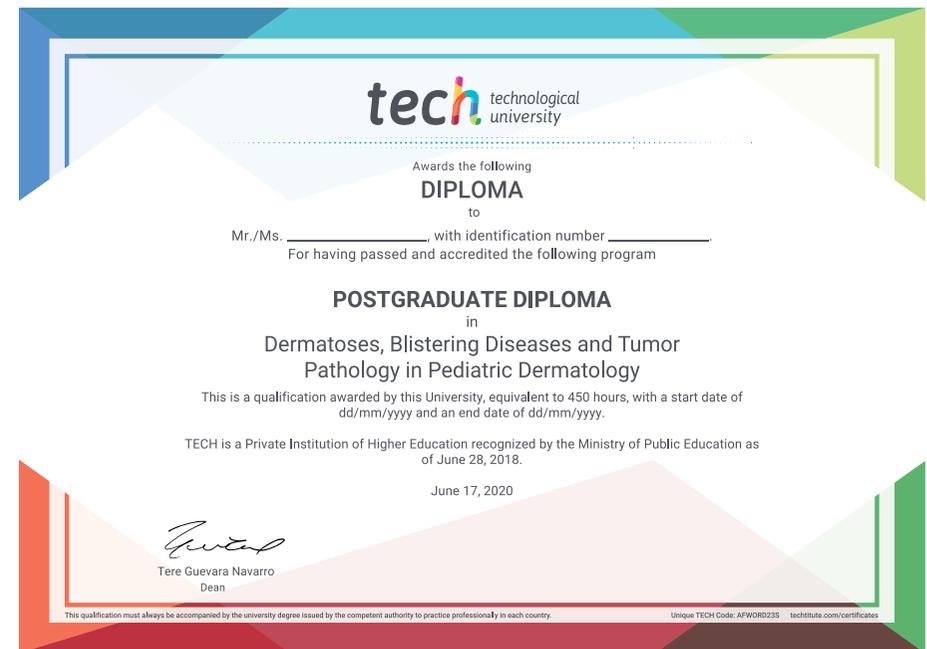
This **Postgraduate Diploma in Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology** contains the most complete and up-to-date scientific program on the market.

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

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

Title: **Postgraduate Diploma in Dermatoses, Blistering Diseases and Tumor Pathology in Pediatric Dermatology**

Official N° of Hours: **450 h.**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.



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Dermatoses, Blistering Diseases  
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- » Modality: online
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- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
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# Postgraduate Diploma

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