

# Postgraduate Diploma

Infectious and Systemic Pathology  
with Cutaneous Involvement in  
Pediatric Dermatology





## Postgraduate Diploma Infectious and Systemic Pathology with Cutaneous Involvement in Pediatric Dermatology

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 16 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-infectious-systemic-pathology-cutaneous-involvement-pediatric-dermatology](http://www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-infectious-systemic-pathology-cutaneous-involvement-pediatric-dermatology)

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# 01

# Introduction

At the diagnostic level, the advances that are being made in the knowledge of the etiology of each of the diseases, the emerging pathologies, the new imaging and laboratory techniques and the diagnostic algorithms that are in continuous renovation, lead us to the need to keep our knowledge of Pediatric Genodermatosis continuously updated.

*The Infectious and Systemic Pathology with Cutaneous Involvement in Pediatric Dermatology contains the most complete and up to date scientific program on the market.*





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*Improve your knowledge in pediatric infectious pathology through this program, where you will find the best didactic material with real clinical cases. Learn here about the latest advances in the specialty to be able to perform a quality medical practice"*

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

Due to the intrinsic characteristics of this subspecialty of dermatology, not all professionals feel comfortable caring for pediatric patients. 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.



*Increase your skills in the approach to dermatological pathology in children"*

This **Postgraduate Diploma in Infectious and Systemic Pathology with Cutaneous Involvement in Pediatric Dermatology** contains the most complete and up to date scientific program on the market. The most important features of the program include:

- ♦ Development of clinical cases presented by experts in the different specialties. 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 cutaneous involvement in infectious and systemic pathology in the pediatric age.
- ♦ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ♦ With a special emphasis on evidence-based medicine and research methodologies in Uro-Oncology.
- ♦ All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- ♦ Content that is accessible from any fixed or portable device with an Internet connection.

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*This Postgraduate Diploma may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in infectious and systemic pathology with cutaneous involvement in pediatric dermatology, you will obtain a specialist diploma certificate from TECH Global University"*

Among its faculty are health professionals from the field of dermatology, who contribute their work experience to this training, as well as renowned specialists belonging to the main scientific societies.

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 training program to train in real situations.

This program is designed around Problem Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. This will be done with the help of an innovative interactive video system created by renowned experts in the field of dermatology with extensive teaching experience.

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

*It includes clinical cases to bring the program's degree as close as possible to the reality of care in medicine.*





02

# Objectives

The main objective of the program is the development of theoretical and practical learning, so that the physician can master in a practical and rigorous way the study of cutaneous involvement in infectious and systemic pathology in pediatric age.







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*This refresher program will generate a sense of confidence in the performance of the physician's praxis, which will help you grow both personally and professionally"*



## General Objective

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- ♦ Update the knowledge of the dermatologist who treats children, through the latest advances in the field of Pediatric Dermatology in order to increase the quality of care, the safety of the physician and thus achieve the best outcome for the patient.



## Specific Module 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.
- ♦ Identify the main infectious syndromes in dermatology with correct explanation to family members of the different steps to follow and evolution of the processes.
- ♦ Tackle childhood infectious problems and handle antibiotics, antiviral and antifungal drugs with confidence
- ♦ Determine autoimmune diseases in childhood and know how to apply the most appropriate test and treatment at any given time
- ♦ Identify cutaneous manifestations that, although not very striking, may lead to the diagnosis of systemic pathologies with cutaneous involvement.







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*Make the most of the opportunity and take the step to get up to date on the latest developments in infectious and systemic pathology with cutaneous involvement in pediatric dermatology”*



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 to this training the experience of their work.

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 infectious and systemic pathology with cutaneous involvement in pediatric dermatology"*

## Management



### Dr. Esteve Martínez, Altea

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

### **Dr. Martínez Menchón, María Teresa**

- ◆ Degree in Medicine and Surgery
- ◆ Doctor Specializing in Dermatology
- ◆ Associate of Dermatology at University Hospital Virgen de la Arrixaca (Murcia).
- ◆ 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 knowledgeable about the implications of training in daily medical practice, aware of the relevance of the current relevance of training to be able to act before the patient with dermatological pathology and committed to quality teaching through new educational technologies.





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## 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 Ebstein'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 Eosinofilica
  - 1.2.10. Melanosis Pustulosa Neonatal Transitoria
  - 1.2.11. Suction Ampoules
  - 1.2.12. Seborrheic Dermatitis.
- 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. Systemic Pathology with Cutaneous Involvement

- 2.1. Dermatomyositis.
  - 2.1.1. Diagnosis
  - 2.1.2. Treatment
  - 2.1.3. Advances
- 2.2. Scleroderma
  - 2.2.1. Diagnosis
  - 2.2.2. Treatment
  - 2.2.3. Advances
- 2.3. Other Collagenopathies
  - 2.3.1. Anetoderma
  - 2.3.2. Mixed Connective Tissue Disease
  - 2.3.3. Sjögren's Syndrome
  - 2.3.4. Relapsing Polychondritis
- 2.4. Autoinflammatory Diseases
  - 2.4.1. Classification
  - 2.4.2. Diagnosis
  - 2.4.3. Treatment
  - 2.4.4. Advances
- 2.5. Lupus Erythematosus and Antiphospholipid Syndrome
  - 2.5.1. Diagnosis
  - 2.5.2. Treatment
  - 2.5.3. Advances

### Module 3. New Developments in Diagnostic Imaging Techniques, Laser Treatment and Pediatric Dermatologic Surgery

- 3.1. The Use of Ultrasound in Pediatric Dermatology
  - 3.1.1. The Usefulness of Ultrasound in Inflammatory Pathology.
  - 3.1.2. Basic Principles
  - 3.1.3. Clinical Cases
  - 3.1.4. Role of Ultrasound in the Pediatric Dermatology Practice
  - 3.1.5. The Usefulness of Ultrasound in Tumor Pathology
  - 3.1.6. Clinical Cases
- 3.2. The Laser in the Treatment of Pediatric Dermatologic Pathology
  - 3.2.1. Types of Lasers Available and their Cost-Effectiveness in a Pediatric Dermatology Practice
  - 3.2.2. How to Use the Laser in Pediatric Patients
  - 3.2.3. Indications in Pediatric Dermatology
- 3.3. Surgical Techniques in Pediatric Dermatology
- 3.4. Types of Sedation and Anesthesia in Pediatric Surgery
  - 3.4.1. Local Anesthesia
  - 3.4.2. Sedation
  - 3.4.3. General Anesthesia
  - 3.4.4. Controversies in Anesthesia in Pediatric Ages.



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

05

# Methodology

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

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





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

## At TECH we use the Case Method

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

*With TECH you can experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gervas, 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 singularity or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in professional medical 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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more effectively, since the example situations are based on real life situations.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.





## Re-Learning Methodology

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

Our University is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.



*The doctor will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*

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

With this methodology we have trained more than 250,000 doctors with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

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

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



In this program you will have access to the best educational material, prepared with you in mind:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

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



#### Latest Techniques and Procedures on Video

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



#### Interactive Summaries

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

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



#### Additional Reading

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







#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the course, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



#### Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence in our future difficult decisions.



#### Quick Action Guides

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



# 06 Certificate

The Postgraduate Diploma in Infectious and Systemic Pathology with Cutaneous Involvement in Pediatric Dermatology guarantees you, in addition to the most rigorous and up to date training, access to a Postgraduate Diploma issued by TECH Global University.



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*Successfully complete this training and receive your university diploma without travel or laborious paperwork”*



This private qualification will allow you to obtain a **Postgraduate Diploma in Infectious and Systemic Pathology with Cutaneous Involvement in Pediatric Dermatology** 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** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma Infectious and Systemic Pathology with Cutaneous Involvement in Pediatric Dermatology**

Modality: **online**

Duration: **6 months**

Accreditation: **16 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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