

Postgraduate Certificate Neurology and Psychiatry Pediatrics





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Course Modality: **Online**

Duration: **6 weeks**

Certificate: **TECH Technological University**

6 ECTS Credits

Teaching Hours: **150 hours.**

Website: techtitute.com/medicine/postgraduate-certificate/neurology-psychiatry-pediatrics

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01

Introduction

Through this course you will be able to identify the basic characteristics of the most frequent allergic processes and pathologies of rheumatologic and nephrourologic etiology in children, as well as to review the diagnostic procedures and the appropriate therapeutic regimen in each case. Thus, the advances in medical processes are updated in order to provide quality care to children and their families.



The background of the slide is a collage of medical scan images, including axial and sagittal views of a brain, rendered in a light blue and white color scheme. The images are partially obscured by a large white diagonal shape that contains the text.

“

The primary care pediatrician is a highly responsive specialist who solves more than 90% of the health demands of pediatric patients and their families. Their specialization is crucial in providing quality health care, and they must constantly update their knowledge in order to perform a quality praxis”

This Postgraduate Certificate in Pediatric Neurology and Psychiatry is designed to review the concepts and procedures for the main glandular pathologies in children and adolescents, in order to establish the correct diagnosis and treatment, based on scientific evidence and the experience of recognized professionals in the field of Pediatrics.

It includes the main neurological and psychiatric pathologies, such as headaches, migraine, epilepsy, psychosomatic disorders, eating disorders, sleep disorders, or management of children with attention deficit hyperactivity disorder. The contents are approached with emphasis on the latest advances, so that professionals can update their knowledge and procedures, in order to provide quality care and improve the prognosis of pediatric patients.

This program will also be useful for those pediatricians who wish to update their knowledge and review action protocols, as it allows the specialist to learn first-hand about the most important advances in their usual clinical practice in primary care, keeping up to date with the new developments that appear every day in the discipline.

This **Postgraduate Certificate in Pediatric Neurology and Psychiatry** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ 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.
- ♦ New diagnostic and therapeutic developments and clinical practice guidelines on neurological and psychiatric pathologies in children.
- ♦ Presentation of practical workshops on procedures, diagnosis, and treatment techniques.
- ♦ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ♦ 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.



This Postgraduate Certificate in Pediatric Neurology and Psychiatry will expand your professional capacity to deal with growth problems in children"

“

This Postgraduate Certificate 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 Neurological Diseases and in the child, you will obtain a course degree from TECH Technological University”

Its teaching staff includes health professionals from the field of pediatrics, who contribute their work experience to this specialization, in addition to other specialists belonging to leading 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 developed by renowned pediatric experts with extensive teaching experience.

This online methodology allows you, through clinical cases, to practice in a simulated environment and improve your performance skills.

Don't miss the opportunity to update your knowledge in neurological and psychiatric diseases to increase the quality of your care for pediatric patients and their families.



02

Objectives

The main goal of this program is to review the procedures in the approach to neurological and psychiatric pathologies in children, based on scientific evidence and the experience of renowned professionals in the field of Pediatrics.



“

This refresher program will generate a sense of security when practising medicine, which will help you grow both personally and professionally”



General Objective

- ◆ Update the procedures for the most frequent neurological and psychiatric pathologies seen in pediatric patients, for their correct diagnosis and treatment.



Specific Objectives

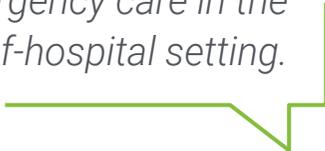
- ◆ Establish the basis for an adequate clinical history and physical examination of the pediatric patient with headache.
- ◆ Describe the usefulness of complementary tests in the diagnosis of headache.
- ◆ Define the main types of headache in childhood and their basic management.
- ◆ Define the concept of epilepsy, epileptic syndrome and epileptic seizures.
- ◆ Establish the paroxysmal phenomena that can mimic an epileptic seizure.
- ◆ Classifying epileptic seizures
- ◆ Describe the organization of epileptic or electroclinical syndromes during the neonatal period, infancy, childhood and adolescence-adulthood.
- ◆ Describe the specific constellations
- ◆ Establish the difference between idiopathic, symptomatic, provoked and cryptogenic epilepsies.
- ◆ Lay the foundation for the general treatment of epilepsies



- Hyperactivity Disorder (ADHD).
- Developing the etiology of ADHD
- Develop the diagnostic criteria according to DSM-IV and the changes in DSM-5.
- Explain the basic algorithms of prefrontal dysfunctions on executive functions in children with ADHD.
- Define the basis for pharmacological treatment of ADHD and the importance of school support and psychoeducation.
- Define and classify Somatoform Disorders.
- Establish the phases of differential diagnosis in psychosomatic pathology.
- Describe the favoring or predisposing, precipitating and maintaining risk factors.
- Develop the diagnostic protocol of the etiology of psychosomatic pathology and the therapeutic approach.
- Define anorexia nervosa according to the Diagnostic and Statistical Manual of Mental Disorders, its classification and etiopathogenesis.
- Describe the warning signs and symptoms in the detection of Eating Disorders.
- Point out the criteria for hospital admission
- Define bulimia nervosa, its classification and etiopathogenesis.
- Define other eating disorders such as pica or rumination disorder.
- Describe and establish the differences between the phases of sleep: wakefulness, NREM and REM.
- List the main nerve centers related to the control of sleep and wakefulness.
- Explain the essential tools for the clinical evaluation of the patient with sleep disorders.
- Propose outlines for the use of questionnaires to support the diagnosis of sleep disorders.

- Define insomnia due to inadequate sleep hygiene and behavioral insomnia and the diagnostic criteria.
- Describe sleep hygiene measures, psychological interventions and pharmacological sleep treatment.
- Define restless legs syndrome (RLS), its clinical manifestations and diagnostic criteria.
- Define phase delay syndrome (PRS), its clinical manifestations and diagnostic criteria.
- Define sleep apnea-hypopnea syndrome (SAHS), its clinical manifestations and diagnostic criteria.

Take advantage of the opportunity and take the step to get up to date on the latest developments in cardiovascular and respiratory emergency care in the out-of-hospital setting.



04

Course Management

This program includes in its teaching staff pediatricians of recognized prestige, who bring to this specialization the experience of their work. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.





“

Learn from leading professionals the latest advances in Neurology and Psychiatry pathology in pediatrics”

Management



Dr. Mantecón Fernández, Laura

- ♦ Neonatology Assistant Specialist at the Central University Hospital of Asturias (Oviedo)
- ♦ Degree in Medicine from the University of Cantabria
- ♦ PhD in Medicine from the University of Oviedo (Outstanding Cum Laude)
- ♦ Specialist in Pediatrics and its Specialist Areas at Central University Hospital of Asturias (Oviedo)
- ♦ Exclusive training in neonatology during the last year of the specialty
- ♦ Outpatient residency at the Jackson Neonatal Intensive Care Unit
- ♦ Memorial Hospital in Miami, Florida USA
- ♦ Member of Spanish Society of Neonatology (SEN)
- ♦ Accredited instructor in Neonatal Resuscitation (SEN)
- ♦ Various postgraduate degrees in Neonatology, Pediatric Emergencies and Update in Primary Care in Pediatrics
- ♦ Several articles published in indexed pediatric journals (neonatology and general pediatrics) and chapters of books on the specialty
- ♦ Numerous presentations in conferences and numerous continuing training programs taken
- ♦ Several courses given (neonatal resuscitation and ventilation)
- ♦ Current lines of research:
 - ♦ Study of the impact of antibiotics on the neonatal intestinal microbiota (Collaborating Researcher on a grant awarded by the Ministry of Economy , Industry and Competitiveness)
 - ♦ Continuing the study on vitamin D in the pediatric population (markers and status) initiated in her doctoral thesis.

Professors

Mrs. Acedo Alonso, Yordana

- ♦ Degree in Medicine and Surgery.
- ♦ Specialist Pediatrician
- ♦ Attending Pediatrician Pediatric Emergency Services Cruces Hospital Osakidetza

Mr. Alcalá Minagorre, Pedro J.

- ♦ Degree in Medicine and Surgery.
- ♦ Pediatrician.
- ♦ Attending Pediatrician at General University Hospital Alicante

Dr. Álvarez Calatayud, Guillermo

- ♦ Doctor of Medicine
- ♦ Attending Pediatrician Pediatric Gastroenterology Services at the Gregorio Marañón University Hospital Madrid.
- ♦ President of the Spanish Society of Probiotics and Prebiotics (SEPyP).
- ♦ Master's Degree in Pediatric Gastroenterology.
- ♦ Professor of Pediatrics at the European University of Madrid

Dr. Álvarez Pitti, Julio

- ♦ PhD in Medicine from the University of Valencia.
- ♦ Specialist Pediatrician
- ♦ Attending Pediatrician Unit against Obesity and Cardiovascular Risk at Consorcio General University Hospital in Valencia.

Mrs. Arribas Sánchez, Cristina

- ♦ Physiotherapist, Gregorio Marañón General University Hospital. Madrid

Dr. Ballester Asensio, Esther

- ♦ Degree in Medicine and Surgery
- ♦ Pediatrician.
- ♦ Attending Pediatrician Dr. Peset University Hospital Valencia

Mr. Bardón Cancho, Eduardo

- ♦ Pediatric Services Fundación Alcorcón University Hospital. Madrid

Dr. Butragueño Laiseca, Laura

- ♦ Pediatric Services Gregorio Marañón General University Hospital. Madrid

Mr. Castaño Rivero, Antón

- ♦ Degree in Medicine and Surgery.
- ♦ Pediatrician.
- ♦ President of the Spanish Society of Paediatric Emergencies.
- ♦ Attending Pediatrician Cabueñes Hospital Gijón

Mr. Chicano Marín, Francisco José

- ♦ Degree in Medicine
- ♦ Pediatrician.
- ♦ Pediatric Attending Physician Arcos del Mar Menor University Hospital

Mr. Chipont Benabent, Enrique

- ♦ Degree in Medicine and Surgery
- ♦ Specialist in Ophthalmology.
- ♦ Director of Oftalica Clinic Alicante

Mrs. Crehuá Guardiza, Elena

- ♦ Degree in Medicine and Surgery
- ♦ Pediatrician.
- ♦ Attending Pediatrician Clinical University Hospital of Valencia

Mr. Ebri Martínez, José Ricardo

- ♦ Degree in Medicine and Surgery.
- ♦ Specialist in Orthopedic Surgery and Traumatology.

Mrs. Esteve Martínez, Altea

- ♦ Degree in Medicine and Surgery.
- ♦ Specialist in Dermatology.
- ♦ Attending dermatologist in Pediatric Dermatology Services General University Hospital Valencia

Mrs. Febrer Bosch, María Isabel

- ♦ Degree in Medicine and Surgery.
- ♦ Specialist in Pediatric Dermatology Pediatric Dermatology Clinical Unit at the General University Hospital Valencia

Mr. Fernández Gallego, Victor

- ♦ Degree in Medicine and Surgery.
- ♦ Emergency Doctor
- ♦ Mobile ICU at Motilla del Pañancar Castilla-La Mancha Health Service (SESCAM)

Mr. Fernández Llópez, Agustín

- ♦ Degree in Medicine and Surgery.
- ♦ Allergy Specialist Head of Allergy Unit Virgen del Consuelo Clinic Valencia

Mr. Ferrer Torregrosa, Javier

- ♦ Doctor from the Catholic University of Valencia.
- ♦ Professor of Podology Department at the Catholic University of Valencia.
- ♦ Master's Degree in Deterioration of Skin Integrity

Mr. Gandía Benetó, Rubén

- ♦ Degree in Medicine and Surgery.
- ♦ Specialist in Pediatric Neurology.
- ♦ Assistant Neuropediatrician at Invanep.

Mrs. García Herrero, María Ángeles

- ♦ Degree in Medicine and Surgery.
- ♦ Pediatrician.
- ♦ Attending Pediatrician Prince of Asturias University Hospital. Alcalá de Henares.

Mrs. González Fernández, Ana María

- ♦ Degree in Medicine and Surgery.
- ♦ Specialist Pediatrician
- ♦ Assistant Pediatric Physician, Los Arcos del Mar Menor University Hospital. Murcia

Mrs. Haro Díaz, Ana

- ♦ Pediatric Services Fundación Alcorcón University Hospital. Madrid.

Mr. Hernández Calvín, Francisco Javier

- ♦ Degree in Medicine and Surgery.
- ♦ Associate Director and Head of the Pediatric ENT Unit at Quirónsalud University Hospital, Madrid and Quirónsalud, San José.

Mrs. Hernández Rupérez, María Belén

- ♦ Degree in Medicine and Surgery.
- ♦ Pediatrician.
- ♦ Specialist in Infections Gregorio Marañón General University Hospital. Madrid

Mrs. Hernández-Sampelayo Matos, Teresa

- ♦ Head of the Pediatric Department Gregorio Marañón General University Hospital.
- ♦ Associate Professor of Pediatrics Complutense University of Madrid.

Mrs. Jiménez de Domingo, Ana

- ♦ Neuropediatrics Service Gregorio Marañón General University Hospital. Madrid

Mrs. Lahuerta Cervera, Sonia

- ♦ Degree in Medicine and Surgery.
- ♦ Pediatrician.
- ♦ Attending Pediatrician Quirón Hospital Valencia

Mrs. López Lois, María Gloria

- ♦ Degree in Medicine and Surgery.
- ♦ Pediatrician.
- ♦ Primary Care Pediatrician.

Mrs. López Navarro, Carmen

- ♦ Degree in Medicine and Surgery.
- ♦ Pediatrician.
- ♦ Attending Pediatrician Ribera University Hospital Alzira

Mrs. Marcos Gómez, Noelia

- ♦ Degree in Medicine and Surgery.

- ♦ Specialist in Pediatric Gastroenterology.
- ♦ University Hospital Prince of Asturias, Alcalá de Henares, Madrid

Mrs. Martín Reolid, Begoña

- ♦ Specialist in Ophthalmic Optometry

Dr. Mintegui Raso, Santiago

- ♦ Degree in Medicine and Surgery, specialist in pediatrics..
- ♦ Director of the research network RISEUP.
Chairman of European Pediatric Emergency Medicine (REPEM).
- ♦ Cruces Hospital Bilbao

Mrs. Mompó Marabotto, María Luisa

- ♦ Degree in Medicine and Surgery.
- ♦ Pediatrician.

- ♦ Integral Pediatric Unit Quirón Valencia SLP.

Mrs. Moral Cazalla, Raquel

- ♦ Degree in Medicine and Surgery
- ♦ Specialist in Pediatric Ophthalmology

Mrs. Morell Salort, María Luisa

- ♦ Degree in Medicine and Surgery.
- ♦ Expert in Neurophysiology.
- ♦ Integral Pediatric Unit Quirón Valencia.

Mrs. Navarro Gómez, María Luisa

- ♦ Pediatric Infections Unit Gregorio Marañón Hospital, Madrid.

Dr. Navarro Paterna, Mariel

- ♦ PhD in Medicine from the University of Valencia.
- ♦ Pediatrician.
- ♦ Primary Care Pediatrician at the Puerto de Sagunto Health Centre.

Dr. Navarro Ruíz, Almudena

- ♦ Degree in Medicine and Surgery.
- ♦ Specialist in Pediatric Endocrinology.
- ♦ Pediatric Services Quirón Hospital Valencia

Dr. Negre Policarpo, Sergi

- ♦ Degree in Medicine and Surgery.
- ♦ Pediatrician.
- ♦ In charge of scientific, educational and teaching projects of the Pediatrics Department of Quirón Valencia
- ♦ Attending Pediatrician at La Fe Hospital Valencia

Dr. Ocete Hita, Esther

- ♦ Pediatrician.
- ♦ Pediatric Clinical Management Unit University Hospital Complex Granada.

Mrs. Ochando Perales, Gemma

- ♦ Specialist in Child Psychiatry.
- ♦ Child and Adolescent Psychiatrist at the International Children's Unit of La Fe Polytechnic and University Hospital of Valencia

Mrs. Oikonomopoulou, Niki

- ♦ Neonatology Service Gregorio Marañón General University Hospital. Madrid

Mrs. Olivas López de Soria, Cristina

- ♦ Degree in Medicine and Surgery
- ♦ Specialist Pediatrician
- ♦ Attending Pediatrician Pediatric Services at the Prince of Asturias University Hospital, Alcalá de Henares, Madrid.

Mrs. Olmos Jiménez, María José

- ♦ Degree in Medicine
- ♦ Attending Pediatrician Arcos del Mar Menor University Hospital

Dr. Ortiz Sánchez, Pedro Ramón

- ♦ Doctor of Medicine and Surgery.
- ♦ Specialist in Clinical Neurophysiology
- ♦ Department of Neurology at General University Hospital of Valencia
- ♦ Valencian Institute of Pediatric Neurology.

Dr. Pérez Ferriols, Desamparados

- ♦ PhD in Medicine and Surgery
- ♦ Specialist in Dermatology.
- ♦ Photobiology and Phototherapy Section Dermatology Department. General University Hospital of Valencia

Mrs. Pérez Moreno, Jimena

- ♦ Pediatrics. Gregorio Marañón General University Hospital. Madrid

Mr. Pin Arboledas, Gonzalo

- ♦ Degree in Medicine and Surgery.
- ♦ Postgraduate Diploma in Sleep Disorders Medicine.
- ♦ Coordinator of the Integral Pediatrics Unit Q Quirón Hospital Valencia
- ♦ Coordinator of the Valencian Sleep Unit Quirón Hospital Valencia



Mrs. Ponce Salas, Beatriz

- ♦ Pediatrics. Gregorio Marañón General University Hospital. Madrid

Mrs. Pons Morales, Sara

- ♦ Doctor of Medicine.
- ♦ Attending Pediatrician Dr. Peset University Hospital Valencia

Mrs. Ramón Muñoz, Gloria

- ♦ Degree in Medicine and Surgery.
- ♦ Specialist in Pediatric Cardiology.
- ♦ Pediatric Services Child Cardiology Ribera University Hospital Alzira

Mrs. Rincón Lopez, Elena María

- ♦ Attending Pediatrician
- ♦ Department of Pediatric Infectious Diseases, Gregorio Marañón General University Hospital

Mrs. Roldán Cano, Virginia

- ♦ Degree in Medicine and Surgery
- ♦ Specialist Pediatrician
- ♦ Primary Care Pediatrician

Mrs. Romero Castillo, Estefanía Julia

- ♦ Primary Care Pediatrician

Mr. Ros Cervera, Gonzalo

- ♦ Degree in Medicine and Surgery.
- ♦ Neuropediatrician accredited by the Spanish Association of Pediatrics.
- ♦ Neuropediatrician at Gandía Hospital.
- ♦ Neuropediatrician at Valencian Institute of Neurosciences.

Mrs. Rubio García, Elena

- ♦ Pediatrics. Gregorio Marañón General University Hospital. Madrid

Mr. Saavedra Lozano, Jesús

- ♦ Degree in Medicine and Surgery.
- ♦ Pediatrician.
- ♦ Attending Pediatrician, Pediatric Infectious Diseases Unit at Gregorio Marañón Hospital Madrid.

Mrs. Sainz Costa, Talía

- ♦ Pediatrician.
- ♦ Researcher at the Molecular Immunobiology Laboratory at the Gregorio Marañón General University Hospital

Mrs. Salmerón Fernández, María José

- ♦ Pediatrician.
- ♦ Attending Pediatrician Virgen de las Nieves University Hospital Granada SAS - SAS

Dr. Sánchez Sánchez, César

- ♦ Head of the Pediatric Gastroenterology at La Paz University Hospital Madrid.

Mr. Santiago García, Begoña

- ♦ Pediatric Infectious Diseases Unit and Lab. Molecular Immunobiology, Gregorio Marañón General University Hospital, Madrid..

Dr. Santos Pérez, Juan Luís

- ♦ Doctor of Medicine.
- ♦ Pediatrician.
- ♦ Master's Degree in Pediatric Endocrinology.



Mrs. Santos Sebastián, María del Mar

- ◆ Specialist in pediatric infectious diseases at the HGU Gregorio Marañón.
- ◆ Degree in Medicine and Surgery
- ◆ Specialist in Pediatric Surgery..
- ◆ Coordinator of the Pediatric Surgery team at San Rafael Hospital.

Dr. Sebastián Barberán, Valero

- ◆ Degree in Medicine and Surgery.
- ◆ Pediatrician.
- ◆ SEUP Magazine Coordinator.
- ◆ Health Center Pediatrician Alzira

Mrs. Sendarrubias Alonso, Marta

- ◆ Pediatrics. Gregorio Marañón General University Hospital. Madrid

Mrs. Tolín Hernani, Mar

- ◆ Pediatrician.
- ◆ Attending Physician in Gastroenterology and Child Nutrition Gregorio Marañón Maternity Hospital Madrid

Mr. Utrero Valiente, Juan Antonio

- ◆ Degree in Medicine and Surgery.
- ◆ Pediatrician.
- ◆ Pediatric Home Hospital Unit General University Hospital Alicante

Dr. Valverde Molina, José

- ◆ Doctor of Medicine.
- ◆ Pediatrician. Head of the Pediatric Department.
- ◆ Specialist Training in Pediatric Pneumology.
- ◆ Arcos del Mar Menor University Hospital San Javier Murcia

Mrs. Villanueva, Laura

- ◆ Lactation Consultant IBCLC.
- ◆ Integral Pediatrics Unit Q, Valencia SLP- UPIQ.
- ◆ Internationally Certified Consultant in Maternal Lactation.
- ◆ President of the Sina Association (support for maternal lactation and upbringing).

Mrs. Zaragoza Ninet, Violeta

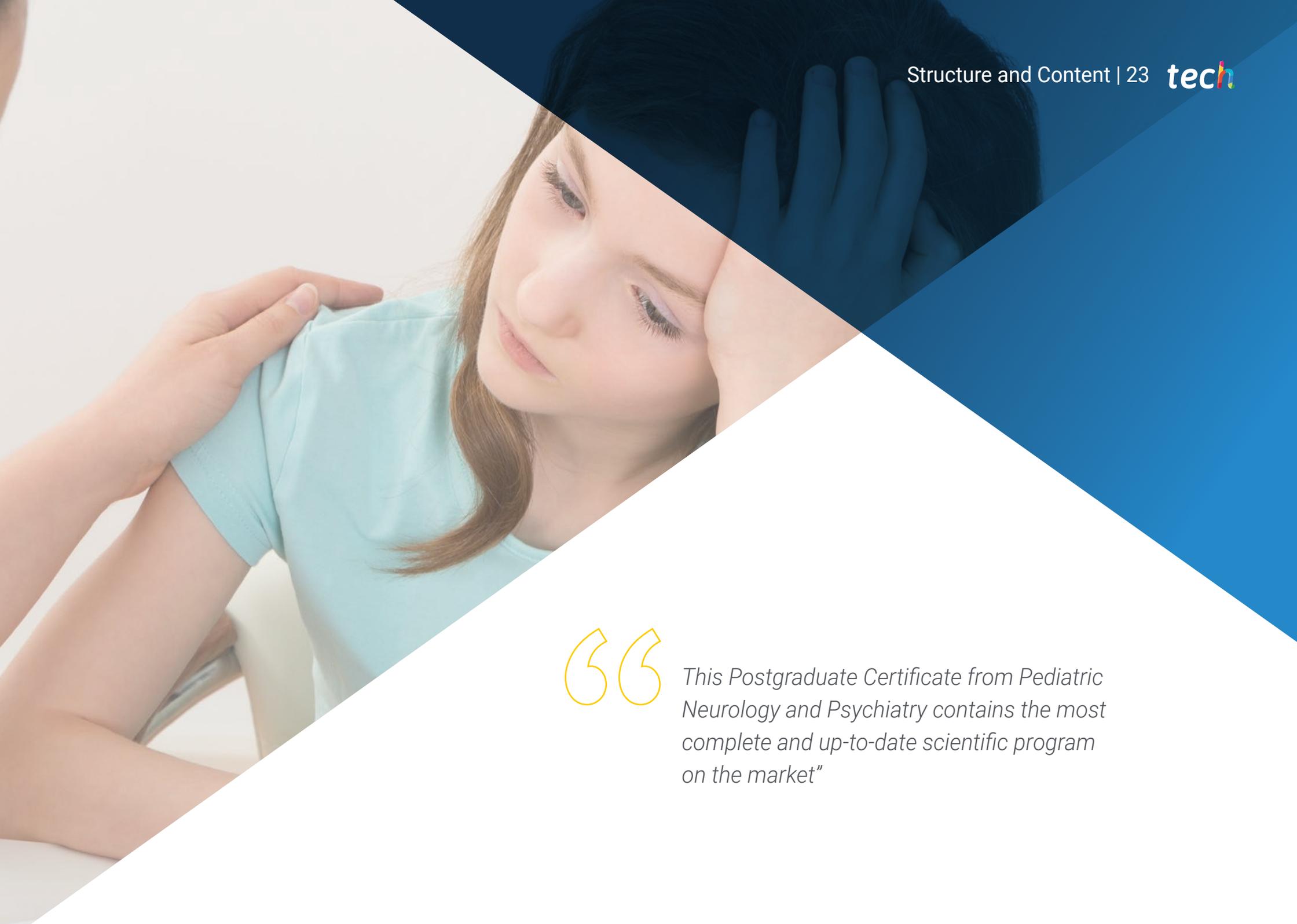
- ◆ Degree in Medicine and Surgery.
- ◆ Specialist in Dermatology.
- ◆ Attending Dermatologist Pediatric Dermatology Department General University Hospital Valencia

05

Structure and Content

The content structure has been designed by a team of professionals knowledgeable about the implications of specialization in good medical practice in pediatrics in primary care, aware of the relevance of current specialization in order to be able to work with pediatric patients and committed to quality teaching through new educational technologies.





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This Postgraduate Certificate from Pediatric Neurology and Psychiatry contains the most complete and up-to-date scientific program on the market”

Module 1. Neurology-Psychiatry

Unit 1. Headaches. in Childhood

- 1.1.1. Importance of Headache in Childhood.
- 1.1.2. Migraine.
- 1.1.3. Tension Headache.
- 1.1.4. Emergencies Management of Headaches..
- 1.1.5. Periodic Syndromes in Childhood: Benign Paroxysmal Vertigo, Abdominal Migraine, Cyclic Vomiting Syndrome and Benign Paroxysmal Torticollis.

Unit 2. Epilepsies and Other Disorders

- 1.2.1. Features of Epileptic Seizures and Epileptic.
- 1.2.2. Classification of Epileptic Crises.
- 1.2.3. Epileptic Syndromes During Childhood and in Adolescence and Adulthood.
- 1.2.4. Specific Constellations/Surgical Syndromes.
- 1.2.5. Classification of epilepsies to its Etiology.
- 1.2.6. General Treatment of Epilepsies.

Unit 3. Attention Deficit Hyperactivity Disorders (ADHD)

- 1.3.1. Etiology of Attention Deficit Hyperactivity Disorder (ADHD)
- 1.3.2. diagnostic criteria according to DSM-IV and changes in DSM-5.
- 1.3.3. Executive Functions 3.4. Treatment.

Unit 4. Psychosomatic Disorders in Childhood and Adolescence

- 1.4.1. Epidemiology and prevalence of psychosomatic disorders.
- 1.4.2. Predisposing, Precipitating and Maintaining Risk Factors.
- 1.4.3. Diagnostic Protocol
- 1.4.4. Treatment Protocols.

Unit 5. Eating Disorders

- 1.5.1. Signs and symptoms in the detection of Eating Disorders.
- 1.5.2. Anorexia Nervosa.
- 1.5.3. Bulimia Nervosa.
- 1.5.4. Other Eating Disorders.



Module 2. Sleep Disorders

Unit 1. Introduction to the Neuroanatomy of Sleep

- 2.1.1. Sleep Phases: Wakefulness, NREM Phase and REM Phase.
- 2.1.2. Neurobiology of Sleep: Main Nerve Centers Related to the Control of Sleep and Wakefulness.

Unit 2. Evaluation of Sleep Problems in Primary Care

- 2.2.1. Specific Sleep Anamnesis.
- 2.2.2. Sleep Diaries or Sleep Diaries.
- 2.2.3. Use of Screening and Diagnostic Questionnaires-Scales.

Unit 3. Diagnosis and Treatment in PA of the Main Disorders

- 2.3.1. Insomnia due to Inadequate Sleep Hygiene and Behavioral Insomnia.
- 2.3.2. Restless Leg Syndrome(SPI).
- 2.3.3. Delayed sleep phase syndrome.
- 2.3.4. Sleep apnoea-hypopnoea syndrome (SAHS).



A unique, key, and decisive master's degree 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.



“

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 potential 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 professional medical practice.

“

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 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.



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 physician 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 physicians 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

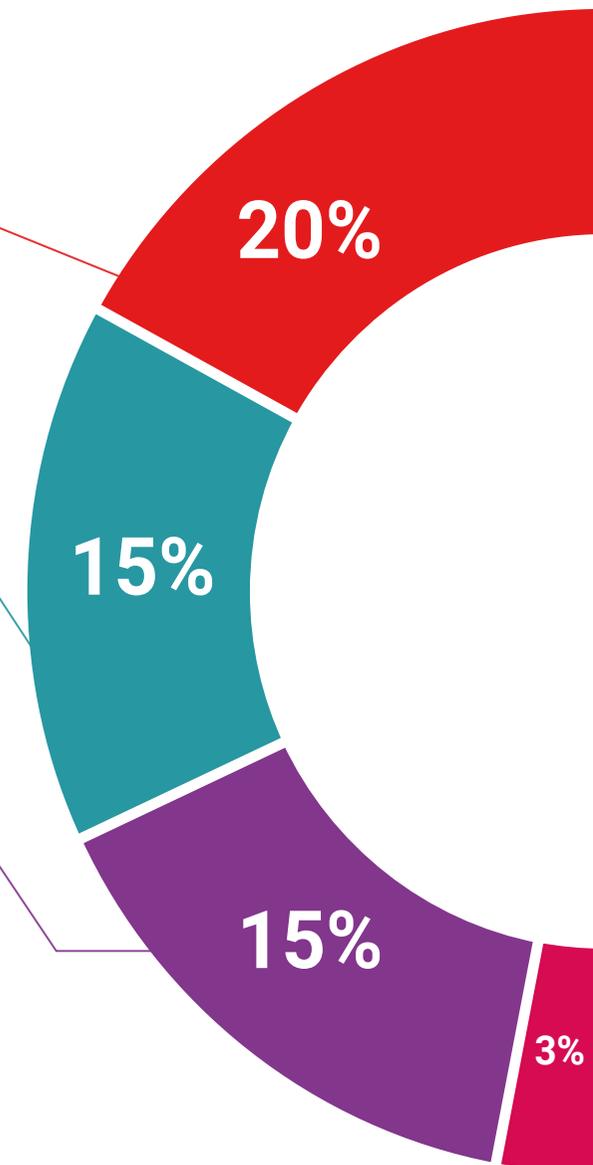
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

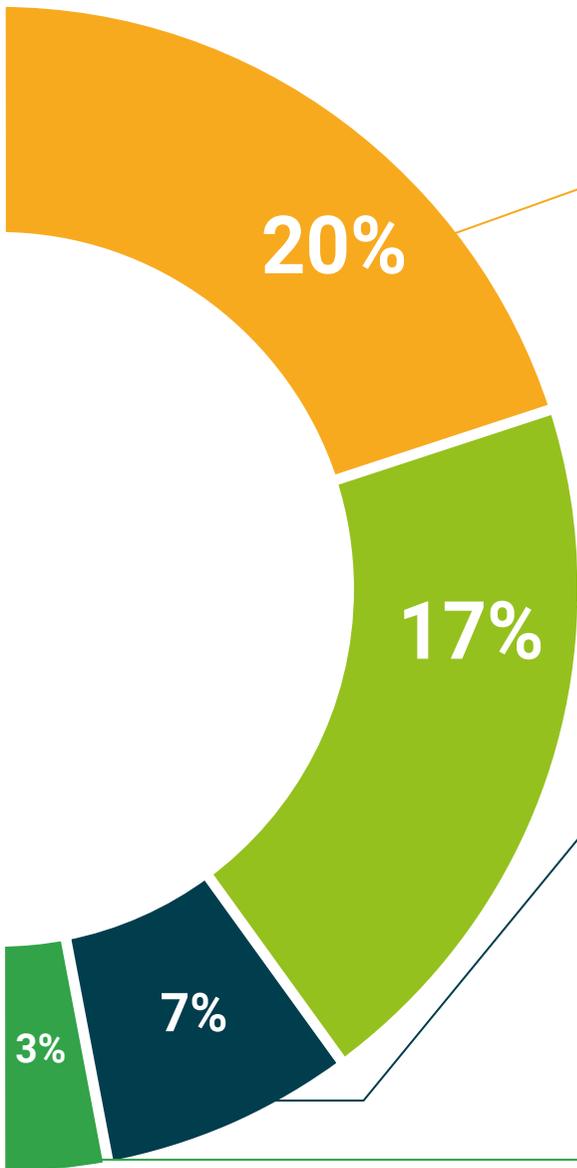
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



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 program, 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

This Postgraduate Certificate in Pediatric Neurology and Psychiatry guarantees you, in addition to the most rigorous and up-to-date specialization, access to a university degree issued by **TECH Technological University**.



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Successfully complete this specialisation and receive your university degree without travel or laborious paperwork"

This **Postgraduate Certificate in Pediatric Neurology and Psychiatry** 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 Certificate issued by **TECH Technological University via tracked delivery**.

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

Title: **Postgraduate Certificate in Pediatric Neurology and Psychiatry**

ECTS: **6**

Official Number of Hours: **150**



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Postgraduate Certificate
Neurology and
Psychiatry Pediatrics

Course Modality: Online

Duration: 6 weeks

Certificate: TECH Technological University

6 ECTS Credits

Teaching Hours: 150 hours.

Postgraduate Certificate
Neurology and
Psychiatry Pediatrics

