

# Hybrid Professional Master's Degree

Update in Pediatric  
Rheumatology



## Hybrid Professional Master's Degree

### Update in Pediatric Rheumatology

Course Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Technological University

Teaching Hours: 1,620 h.

Website: [www.techtitute.com/in/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-update-pediatric-rheumatology](http://www.techtitute.com/in/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-update-pediatric-rheumatology)

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# 01

# Introduction

This program offers a different look at the overall care that a child affected by RMD needs. A comprehensive approach that covers all aspects of this care: from pre- and post-diagnostic care to families, pharmacological criteria and psychological and emotional care for the affected person and their environment. A holistic approach that you will acquire throughout the program in the most specific and comprehensive way in the teaching market, starting with the update of the complete compendium of knowledge in this field and ending with the update in a real hospital setting, in a top-quality center.



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*A complete journey through the theoretical knowledge of state-of-the-art pediatric rheumatology that will end with the conversion of this knowledge into competencies, through real intervention in a top-quality hospital center”*

Childhood is not a territory safe from Rheumatic and Musculoskeletal Diseases(RMD). Although it is difficult to know their exact prevalence, given the absence of specific and global studies, they are potentially serious diseases that lead to a significant decrease in the quality of life of the affected child. Comprehensive care for patients and their families, as a fundamental part of the process, is an essential condition in the approach to this group of diseases.

In pediatric rheumatology, 360° care is a sine qua non. Therefore, practical specialization in a quality, state-of-the-art hospital environment, at all levels, becomes an exceptional opportunity for growth. With an innovative approach, this patient-centered Hybrid Professional Master's Degree will show you in the field how to approach and carry out the comprehensive and multidisciplinary treatment of RMD in children and adolescents.

During the study, you will have the opportunity to acquire the most updated knowledge necessary to deal with the situations that arise around a child or adolescent suspected of having a RMD. It is therefore essential for physicians to be able to respond adequately to the evolution of scientific and technological knowledge, and to the evolution of their field of action in the different healthcare systems, by means of adequate training.

TECH presents this new program model that will allow you to develop, first theoretically and then in a real patient, and in a hospital setting with state-of-the-art resources, your maximum potential and growth in the area of pain care. It will address patients with painful conditions, from the hand of the best specialists, using the latest techniques based on scientific evidence, and achieving results previously difficult to achieve.

This **Hybrid Professional Master's Degree in Update in Pediatric Rheumatology** contains the most complete and up-to-date scientific program on the market. Its most outstanding features are:

- ♦ Development of more than 100 clinical cases presented by professionals in this area of work and university professors with extensive experience and experience
- ♦ 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
- ♦ Comprehensive systematized action plans for major pathologies
- ♦ Presentation of practical workshops on procedures diagnosis, and treatment techniques
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Practical clinical guides on approaching different pathologies
- ♦ With a special emphasis on evidence-based medicine and research methodologies
- ♦ All 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
- ♦ In addition, you will be able to carry out a clinical internship in one of the best hospitals in the world.



*Enjoy an intensive 3-week stay  
and update yourself professionally  
with the best specialists in  
Pediatric Rheumatology”*



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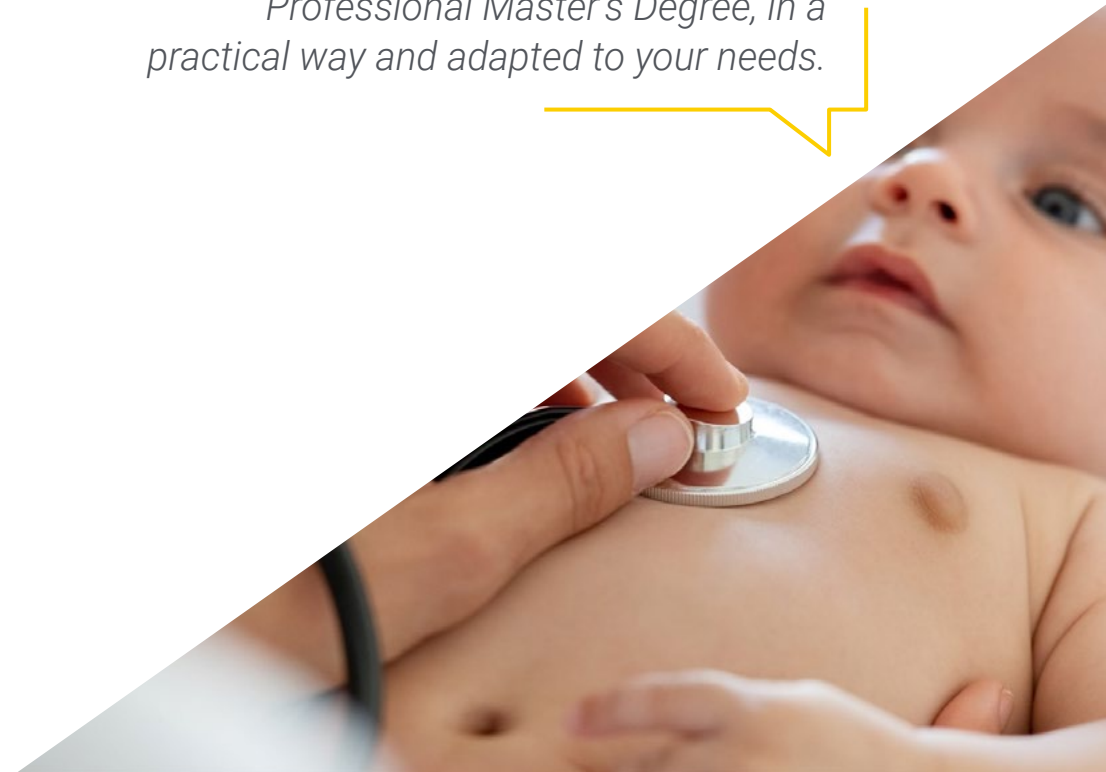
*Through this program you will be able to finish your internship in a hospital equipped with the technological means and approaches of the future, with the best medical technology and alongside renowned specialists in this medical field”*

In this Hybrid Professional Master's Degree proposal, of a professionalizing nature and blended learning modality, the program is aimed at updating medical professionals in the field of Pediatric Rheumatology. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge into practice, and the theoretical-practical elements will facilitate the updating of knowledge and will allow decision making in patient management.

Thanks to its multimedia content, developed with the latest educational technology, they will allow the professional a situated and contextual learning, that is to say, a simulated environment that will provide an immersive learning programmed 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 experts with extensive teaching experience.

*This Hybrid Professional Master's Degree allows you to practice, first, in simulated environments that provide immersive learning, and then, in the real hospital environment, putting to the test everything you have studied.*

*Update your knowledge through this theoretical and practical Hybrid Professional Master's Degree, in a practical way and adapted to your needs.*



02

# Why Study this Hybrid Professional Master's Degree?

This program will allow the professional to be updated on the latest scientific postulates and the most efficient techniques to treat common and rare pathologies in the area of Pediatric Rheumatology. A Hybrid Professional Master's Degree that combines 100% online theoretical updating with exhaustive practice through a face-to-face stay in a reference hospital center. There, you will be able to apply a series of activities determined in the study plan and under the most complete academic itinerary chosen by the most knowledgeable experts that compose the teaching staff. Thus, you will be updated in a dynamic, agile and safe way with the quality you deserve.





Why Study this Hybrid Professional | 09  
Master's Degree?



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*In this Hybrid Professional Master's Degree  
you will find a set of techniques and  
advanced methods for the management of  
patients with RMDs”*

### 1. Updating from the latest technology available

The update in Pediatric Rheumatology is in the intelligent use of technology, epidemiology, clinical, pharmacology, genetics, molecular biology, microbiology and immunology. These aspects are integrated in this very complete program that the professional will approach in an agile way thanks to the cutting-edge methodology and technology used by this Online Campus for its teaching.

### 2. Gaining In-Depth Knowledge from the Experience of Top Specialists

A complete team of professionals will accompany the specialist throughout the entire practical period, which is a first-class guarantee and an unprecedented guarantee of updating. In addition, the theoretical part is supported by a team of experienced teachers who have been involved in the configuration of all the content. In this way, the specialist will incorporate the most effective therapeutic, diagnostic and preventive methods into their daily clinical practice.

### 3. Entering First-Class Clinical Environments

TECH carefully selects all available centers for Internship Programs. Thanks to this, the specialist will have guaranteed access to a prestigious clinical environment in the area of Pediatric Rheumatology. In this way, you will be able to see the day-to-day work of a demanding, rigorous and exhaustive sector, always applying the latest theses and scientific postulates in its work methodology.





#### 4. Combining the Best Theory with State-of-the-Art Practice

During this academic journey, the professional will encounter the most innovative technology and methodology that will allow them to update the most modern medical postulates in the area of Pediatric Rheumatology. You will also have the opportunity to carry out the Internship Program in a reference clinical center with state-of-the-art equipment.

#### 5. Expanding the Boundaries of Knowledge

Thanks to TECH's interest in expanding the frontiers of knowledge, it has designed this Hybrid Professional Master's Degree that includes a list of hospital centers in different locations and opens the doors to the most advanced scientific and technological innovation and resources. Thus, the professional will be able to get up to date without limits or complications and sponsored by the best experts in their area.

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*You will have full practical immersion  
at the center of your choice”*

# 03

## Objectives

The general objective of this Hybrid Professional Master's Degree in Pediatric Rheumatology Update is to achieve that the professional updates the diagnostic and therapeutic procedures of the specialty in a complete way. For this, the theoretical learning of the subject will be provided, with the most current and interesting contents in this sector, to finish with a hospital stay in which you will carry out the practical learning, with the help of recognized professionals in a hospital center of the highest scientific quality and technological innovation.







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*Achieve your goals by updating you in the latest techniques and medical advances in the area of Pediatric Rheumatology through a Hybrid Professional Master's Degree of high educational and scientific demand”*





## General Objective

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- The enormous complexity involved in rheumatology, especially for pediatric patients, requires continuous updating on the part of the specialist. And it is on this aspect that this program is focused, since it brings the professional closer to the latest advances in this area, based on a period of theoretical and practical learning followed by a stay in a reference center in the field of Rheumatology



*The fundamentals of holistic care in rheumatologic conditions in infantile-juvenile patients, in a practical approach that will allow you to apply it immediately in your professional field"*





## Specific Objectives

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### **Module 1. Attitude Towards Children with Suspected Rheumatic and Musculoskeletal Diseases (RMD)**

- ◆ Acquire the basic knowledge for the diagnosis of RMDs
- ◆ Discern the initial attitudes and actions to initiate in the diagnosis of RMD
- ◆ Learn how to rule out specific diseases
- ◆ Learn the usefulness of the different tests
- ◆ Know which procedures or attitudes to discard and why

### **Module 2. Musculoskeletal Pain in Children and Adolescents**

- ◆ Recognize pain in children or adolescents with RMD as the most frequent problem
- ◆ Identify the manifestations of pain in the patient
- ◆ Recognize the consequences of the patient's pain in the family environment
- ◆ Distinguish the most common and the rarest causes of pain in the different body regions of the musculoskeletal system
- ◆ Review of appropriate initial management
- ◆ Identify inappropriate initial management

### **Module 3. Musculoskeletal Alterations**

- ◆ Diagnosis of arthritis in childhood
- ◆ Determination of arthritis versus ruling out other pathologies
- ◆ Apply the differential diagnosis in the suspicion of arthritis in its different forms of onset
- ◆ Outline the etiological treatment
- ◆ Identify appropriate and inappropriate myths and attitudes

#### Module 4. Systemic Inflammation

- ♦ Review the association of fever with other systemic manifestations of inflammation of the eye, skin, and digestive system
- ♦ Recognize the rheumatologic significance of inflammation and fever
- ♦ Identify appropriate and inappropriate myths and attitudes

#### Module 5. Other Musculoskeletal symptoms

- ♦ Differentiate other symptoms indicative of RMD: gait disturbances, hyperlaxity or deformity
- ♦ Specifically explore the other symptoms
- ♦ Recognize the most frequent and the most rare causes
- ♦ Judging overall attitude and management
- ♦ Review actions to avoid, such as overdiagnosis and medicalization of the extremes of reality
- ♦ Identify appropriate and inappropriate myths and attitudes

#### Module 6. Pharmacological treatment in pediatric rheumatology

- ♦ Review pharmacological treatments
- ♦ Observe treatments common to different conditions
- ♦ Review practical aspects of medication
- ♦ Define the adverse effects of medications
- ♦ Follow the evolution of a pharmacological treatment in children and adolescents
- ♦ Identify appropriate and inappropriate myths and attitudes







### **Module 7. Non-Pharmacological Treatment and Psychosocial Support**

- ♦ Provide a psychological approach to patients and their families in the treatment of RMDs
- ♦ Know the indication of physical exercise as a rehabilitation technique
- ♦ Recognize the opportunity of orthopedic surgery
- ♦ Describe the appropriate nutritional guidelines
- ♦ Distinguish the different existing social supports
- ♦ Identify appropriate and inappropriate myths and attitudes

### **Module 8. Preventive Activities**

- ♦ Review vaccination schedules
- ♦ Choose specific preventive attitudes according to diseases and treatments and treatments
- ♦ Recognize osteoporosis in children and its necessary consideration

### **Module 9. Transition to Adulthood with Juvenile-Onset RMD**

- ♦ Describe the phases and processes of the transition from the management of adults with RMDs to the management of pediatric patients

### **Module 10. Disease "Wiki" (Resources to Which All Modules Address)**

- ♦ Know the existing resources on the Internet to help professionals
- ♦ Identify the main technological tools to identify new diseases

# 04 Skills

Thanks to the study of this Hybrid Professional Master's Degree in Update in Pediatric Rheumatology, the professional will acquire the maximum update in terms of the most advanced diagnostic and therapeutic protocols and methods. A very complete approach, in a program of high academic level that will allow you to innovate in your daily clinical practice immediately, with the application of the latest scientific postulates.





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*This highly academic program will allow you to acquire the necessary skills to create a protocol for the care of pediatric patients with RMD, incorporating the new postulates available”*



## General Skills

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- ♦ Establish a list of the most frequent causes of ME pain in children
- ♦ Identify disease profiles
- ♦ Establishing a suspected diagnosis
- ♦ Determine the appropriateness of the approach to the child or adolescent with RMD
- ♦ Distinguish between different types of musculoskeletal problems in children, approach them and refer them if necessary
- ♦ Identify the best applicable management from different points of view, medical, psychological or physical
- ♦ Discuss whether a treatment was sufficiently effective
- ♦ Identify appropriate attitudes, treatments and strategies
- ♦ Apply preventive methods
- ♦ Recognize basic needs and refer to specialized resources
- ♦ Identify social and environmental factors and reflect on their impact on the quality of life of patients and their families





## Specific Skills

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- Discern the correct attitude towards a child with suspected RMD
- Expose basic knowledge about RMD
- Reproduce a good diagnostic attitude
- Rationalize the usefulness of tests to rule out SCFE or ME pain in children and adolescents
- Apply basic knowledge of pain identification in children and adolescents
- Organize a good diagnostic attitude to pain
- Know the most frequent causes of pain in each part of the body
- Adopt a correct diagnostic approach to arthritis in children and adolescents
- Recognize the most frequent causes of arthritis
- Have a basic knowledge of systemic inflammatory diseases
- Adopt a correct diagnostic attitude when faced with systemic manifestations in children with RMD
- Know the most frequent causes of cutaneous, ocular and digestive involvement in children and adolescents with arthritis
- Adopt a correct diagnostic attitude to gait, deformity or disturbances
- Master the pharmacological treatment in pediatric rheumatology
- Rationalize a prophylaxis and follow-up plan for complications
- Develop a non-pharmacological treatment plan
- Possess the necessary knowledge of the psychological approach to pediatric RMDs and their families
- Possess sufficient knowledge of exercise, physical activity and other rehabilitation techniques
- Identify the need for indication of orthopedic surgery
- Discuss a transition plan for children and adolescents with juvenile-onset RMD



*You will update your medical skills in the management of pediatric patients with MRSA in order to indicate the most appropriate treatment”*

# 05

# Course Management

TECH, in its interest to provide a professional updating program for the Pediatric Rheumatology specialist, has chosen a medical team with extensive experience to design this Hybrid Professional Master's Degree. Their well-versed profile has made it possible to condense the most useful sections of the academic itinerary and the choice of the most practical activities to be carried out during the stay in the hospital of his choice. Undoubtedly a unique opportunity to add new effective methods to your daily clinical practice.



A close-up photograph of a person's hands gently holding a baby's foot. The skin is light-toned, and the focus is sharp on the fingers and toes. The background is blurred. The image is partially obscured by a diagonal blue and white graphic overlay.

“

*Leading professionals in the field of hyperbaric medicine will provide you with the most relevant technological and scientific advances in this field”*



## Management



### Dr. Loreto Carmona Ortells

- ♦ Rheumatologist and Epidemiologist in the Institute of Musculoskeletal Health
- ♦ Director of the Research Unit of the Spanish Rheumatology Foundation
- ♦ Dr. in Epidemiology and Preventive Medicine from the Universidad Autónoma of Madrid
- ♦ Technical Responsible for Product Evaluation Reports related to Rheumatology
- ♦ Editor-in-Chief, Rheumatology International at Springer Science and Business Media
- ♦ Degree in Medicine from the Autonomous University Madrid
- ♦ President of the Scientific Committee of the EULAR Congress



### Ms. Elisenda De La Torre Hervera

- ♦ Member of the Hospital Medication Advisory Board (CAMH)
- ♦ Member of the NGO Spanish Rheumatologic League
- ♦ Member of the Executive Board of Administration of the Health Care Quality Agency of Catalonia (AQuAS)
- ♦ Member of the Pharmacotherapeutic Commission (CFT-SISCAT)
- ♦ Patients' Consultative Council of Catalonia (CCPC)
- ♦ CCPC Technical Communication Council
- ♦ Postgraduate degree in Patient Advocacy from the International University of Catalonia
- ♦ Technical Engineering in Computer Management by the Polytechnic University School of Mataró



### **Dr. Daniel Clemente Garulo**

- ♦ Specialist in Rheumatology at the Pediatric Rheumatology Unit of the Niño Jesús University Children's Hospital
- ♦ Secretary of the working group: Rheumatic Diseases in Children and Adolescents of the Spanish Society of Rheumatology (ERNASER)
- ♦ Medical Specialist in Rheumatology at San Carlos Clinical Hospital
- ♦ PhD in Health Sciences from the Camilo José Cela University
- ♦ Degree in Medicine and Surgery from the Faculty of Medicine of the University of Alacá
- ♦ Member of the Spanish Rheumatology Society
- ♦ Member of the Spanish Society of Pediatric Rheumatology

## **Professors**

### **Dr. Jenaro Graña Gil**

- ♦ Rheumatologist at the Integrated Management Department of the University Hospital of A Coruña
- ♦ Rheumatologist in Hospital Quirón Salud
- ♦ Researcher Specializing in Diagnosis and Treatment of Rheumatologic Diseases
- ♦ Degree in Medicine

### **Dr. Jon Bartolomé Puebla**

- ♦ Member and Coordinator of LIRE Joven in the Spanish Rheumatology League
- ♦ Digital Marketing Consultant at Omega CRM
- ♦ Specialist in the Commercial and Marketing Services Department at Vaillant Group Spain
- ♦ Business Process Solutions at Deloitte, Spain
- ♦ Bachelor's Degree in Marketing from the University of the Basque Country

#### Dr. Juan Carlos Nieto

- ♦ Rheumatologist at Clínica Ruber
- ♦ Rheumatologist at the Ruber Internacional Paseo de la Habana Medical Center
- ♦ Rheumatologist at the Hospital Ruber Internacional
- ♦ Assistant in Rheumatology at the University Hospital Gregorio Marañón
- ♦ Coordinator and Professor of the School of Musculoskeletal Ultrasound of the Spanish Society of Rheumatology (SER)
- ♦ Coordinator of the Working Group on Rheumatologic Diseases in Children and Adolescents (ERNA) of the SER
- ♦ Degree in Medicine and Surgery from the University of Alcalá de Henares
- ♦ PhD in Medicine from the Complutense University of Madrid

#### Dr. Valentina Emperiale

- ♦ Rheumatology Specialist at the University Hospital Príncipe de Asturias
- ♦ Physician-Surgeon at Mutual de Seguridad in Santiago de Chile
- ♦ Physician-Surgeon at UC
- ♦ Degree in Medicine and Surgery from the University of Cantabria
- ♦ International Academic Exchange for Training in Rheumatology and Geriatrics at the University of Heidelberg
- ♦ Member of JOVREUM of the Spanish Society of Rheumatology (SER)

#### Dr. Sergio Lerma Lara

- ♦ Co-Founder of Smart Dyspnea and Dean of the Faculty of Health Sciences CSEU La Salle
- ♦ Researcher at the Niño Jesús University Children's Hospital
- ♦ Lecturer of the Master's Degree in Applied Biomechanics
- ♦ Technical Coordinator of the Movement Analysis Laboratory at the Niño Jesús University Children's Hospital
- ♦ Doctor Cum Laude in Physiotherapy from Rey Juan Carlos Univeristy
- ♦ Master's Degree in the Study and Treatment of Pain at Rey Juan Carlos Univeristy
- ♦ Graduate in Physiotherapy from Comillas Pontifical University
- ♦ Maitland Orthopedic Manual Therapy Concept Program

#### Ms. Rocío Diago Ortega

- ♦ Director of DcienciaSalud
- ♦ Nutritionist of the Castilla y León Football Federation
- ♦ Dietician at the Marta Perrote Clinic
- ♦ Dietitian at the Roberto Gila Marcos Massage and Osteopathy Center
- ♦ Collaborator in the Perseus Project on Childhood Obesity
- ♦ Graduate in Human Nutrition and Dietetics from the University of Valladolid
- ♦ Postgraduate Diploma in Nutrition and Dietetics Applied to Sports by the University of León
- ♦ Superior Technician in Occupational Risk Prevention in the Specialty of Ergonomics and Psychosociology
- ♦ Certificada en Antropometría Level I and II by International Society for the Advancement of Kinanthropometry

**Dr. Alejandro Prada Ojeda**

- ♦ Physician at Ribera Salud Hospital
- ♦ Rheumatologist at the University Hospital Torrejon de Ardoz, Madrid
- ♦ Author of the book 50 fundamental questions in gout
- ♦ Writer of the poetry collections Bipedestación y otros conceptos antropomorfos and La linterna de Aristóteles, and the prose book Diálogo de perros y ángeles
- ♦ Degree in Medicine

**Dr. Alejandro Gómez**

- ♦ Specialist in Rheumatology at the Vall d'Hebron Hospital in Barcelona
- ♦ Assistant Physician of Rheumatology at the University Hospital Infanta Sofía
- ♦ Professor at different universities
- ♦ Doctorate in Medicine, University of Alcalá
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Master's Degree in Rheumatic Diseases Mediated by the Immune System by Rey Juan Carlos University

**Ms. Alina Boteanu**

- ♦ Head of the Pediatric Rheumatology Unit at the Ramón y Cajal University Hospital in Madrid
- ♦ Responsible for the Pediatric Rheumatology monographic consultation and the Transition Unit at the Ramón y Cajal University Hospital in Madrid
- ♦ JULES Project Manager
- ♦ Member of SERPE, PRINTO

**Dr. Ana Ramírez Barragán**

- ♦ Assistant Physician of Traumatology and Children's Orthopedic Surgery at the Niño Jesús University Hospital
- ♦ Specialist in Family and Community Medicine
- ♦ Specialist in Traumatology and Orthopedic Surgery
- ♦ PhD in Medicine from the University of Salamanca
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid

**Ms. Ana Vázquez**

- ♦ Occupational and Speech Therapist (LIRE)

**Dr. Berta Magallares López**

- ♦ Specialist in Rheumatology at the Hospital Santa Creu i Sant Pau
- ♦ Rheumatologist and Pediatric Rheumatologist at Hospital Universitari Dexeus and Hospital El Pilar, Quirón Salud Group
- ♦ Rheumatologist at Hospital Dos de Maig
- ♦ PhD. from the Autonomous University of Barcelona
- ♦ Degree in Medicine and Surgery from the University of Zaragoza

### Dr. Eugenia Enríquez Merayo

- ♦ Pediatric Rheumatologist at the University Hospital Infanta Leonor in Madrid
- ♦ Rheumatology specialist at Clínica Ruber
- ♦ Rheumatology Specialist at the 12 de Octubre University Hospital
- ♦ Professor of the Faculty of Medicine of the UEM
- ♦ Professor of Pediatric Rheumatology at the 12 de Octubre University Hospital
- ♦ Research Stay in Pediatric Rheumatology at the Hospital for Special Surgery, Cornell University Medical College, New York
- ♦ Graduate in Medicine and Surgery from Universidad de Navarra
- ♦ Specialist in Endocrinology at the 12 de Octubre University Hospital

### Dr. Diego Benavent

- ♦ Specialist in Rheumatology at the University Hospital La Paz. Madrid
- ♦ Medical Consultant in Savana
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Master's Degree in Data Science from the University of Alcalá de Henares, Spain
- ♦ Member of EULAR, EMEUNET, UEMS

### Dr. Enrique Calvo Aranda

- ♦ Rheumatologist Specialist at the University Hospital Infanta Leonor of Madrid
- ♦ Doctor Cum Laude in Rheumatology from CEU San Pablo University
- ♦ Specialization in Rheumatology at the Gregorio Marañón General University Hospital
- ♦ Degree in Medicine from the Autonomous University Madrid
- ♦ Member of the Pain Committee at the University Hospital Infanta Leonor in Madrid
- ♦ Member of the Spanish Society of Rheumatology (SER)
- ♦ Member of the Group for the Study of Microcrystalline Arthropathies of the SER (GEACSER)
- ♦ Coordinator of the rheumatology outreach campaign "Más que un dolor", created by the SER and sponsored by AbbVie
- ♦ Member of the Board of Directors of the Rheumatology Society of the Community of Madrid
- ♦ Spokesperson and Supervisor Responsible for the section on Gout in the population information campaign #PonleNombreAlReuma, of SER
- ♦ Member of the Spanish Society of Pediatric Rheumatology (SERPE)
- ♦ Member of the Illustrious College of Physicians of the Community of Madrid (ICOMEM)
- ♦ Member of the Board of Directors of the SER



**Dr. Esmeralda Núñez Cuadros**

- ◆ Associate Physician of the Children's Rheumatology Unit at the Regional University Hospital of Malaga
- ◆ Associate Physician of the Pediatrics Clinical Management Unit at the Hospital Materno Infantil
- ◆ Principal Investigator and Collaborator in different clinical trials in the field of Pediatric Infectious Diseases and Rheumatology, as well as in competitive projects of the Ministry of Health and the Carlos III Health Institute
- ◆ Coordinator of the Group of Prevention and Treatment of Infections in Pediatric Rheumatology of the Spanish Society of Pediatric Rheumatology (SERPE)
- ◆ Secretary of the Medicines Committee of the Spanish Association of Pediatrics
- ◆ Member of the Multidisciplinary Group of Pediatric Research, belonging to IBIMA, Spanish Society of Pediatric Infectious Diseases (SEIP), Member of the Board of Directors of the Spanish Society of Pediatric Rheumatology (SERPE)
- ◆ PhD in Medicine, University of Malaga

**Dr. Laura Martín Pedraz**

- ◆ Rheumatologist Physician Specialist in Pediatrics
- ◆ Pediatrician Rheumatologist at the Regional University Hospital of Malaga
- ◆ Researcher Specializing in Rheumatic Diseases in Child and Adolescent Patients
- ◆ Degree in Medicine

**Dr. Judith Sánchez Manubens**

- ♦ Head of the Pediatric Rheumatology Unit at Hospital Parc Taulí. Sabadell, Spain
- ♦ Specialist Physician of the Pediatric Rheumatology Unit at the Hospital Sant Joan de Déu
- ♦ Coordinator of the Kawasaki Disease Research Group. Catalonia
- ♦ Doctor of Medicine from the University of Barcelona
- ♦ Degree in Medicine from the University of Barcelona
- ♦ Master's Degree in Pediatric Rheumatology from the University of Barcelona
- ♦ Member of GEMDIP, KAWA-RACE

**Dr. Leticia León Mateos**

- ♦ Researcher at the Rheumatology Department and the Health Research Institute of the San Carlos Clinical Hospital
- ♦ Researcher in European Projects for European League Against Rheumatism
- ♦ Methodological Consultant and Trainer
- ♦ Associate Professor, Faculty of Health, Camilo José Cela University
- ♦ Degree in Psychology from the Complutense University Madrid
- ♦ PhD from the Camilo José Cela University
- ♦ Diploma of Advanced Studies (DEA) from the Complutense University of Madrid

**Ms. Lucía Fernández Caamaño**

- ♦ Occupational Therapist

**Dr. Luis Salar Ibáñez**

- ♦ Rheumatology Specialist at the University Hospital of Torrejón
- ♦ Coordinator of the Pediatric Rheumatology Unit at Hospital San Rafael
- ♦ Medical Specialist at Santa Cristina University Hospital
- ♦ Specialist Physician at the Fundación Jiménez Díaz University Hospital
- ♦ Professor at CTO Medicine
- ♦ Degree in Medicine from the University of Cantabria

**Dr. Marta Redondo Delgado**

- ♦ Founding Partner and Director of the Health Area at the Institute of Psychology of Emotion and Health (IPES)
- ♦ Professor at the Faculty of Psychology, Camilo José Cela University
- ♦ Teacher at the Complutense University of Madrid
- ♦ Master's Degree in Anxiety and Stress Intervention by the Universidad Complutense University of Madrid
- ♦ PhD from the Complutense University of Madrid

**Dr. Serafín Rodríguez Palero**

- ♦ Rehabilitation Physician at the Niño Jesús University Children's Hospital
- ♦ Medical Specialist in Rehabilitation at the 12 de Octubre University Hospital
- ♦ Master's Degree in Children's Disability
- ♦ Postgraduate Diploma in Speech-Language Pathology, Vocal Pathology and Professional Voice Intervention

**Dr. Greco, Martín**

- ◆ Specialist in Rheumatology
- ◆ Rheumatologist at the University Hospital Insular of Gran Canaria
- ◆ Rheumatologist at the University Hospital of Gran Canaria Dr. Negrin
- ◆ General Practitioner at Dr. Emilio Galdeano Health Center
- ◆ Emergency Physician at Centro Más Vida
- ◆ Physician in the Nephrology Unit at the Cendica Center
- ◆ Researcher at the Institute of Musculoskeletal Health
- ◆ Research award for his work: The role of anti-synthetase antibodies in the classification of idiopathic inflammatory myopathies and anti-synthetase syndromes
- ◆ Doctor, Catholic University of Cuyo

**Dr. Olaia Begoña Fernández Berrizbeitia**

- ◆ Specialist Doctor in Rheumatology
- ◆ Rheumatology at the University Hospital of Basurto
- ◆ Degree in Medicine and Surgery from the University of the Basque Country/ Euskal Herriko Unibertsitatea(UPV/ EHU)
- ◆ Collaborator of the Medical Sciences Academy of Bilbao
- ◆ Research Advisor at the University of Madrid
- ◆ Doctor of Medicine and Surgery from the University of the Basque Country
- ◆ Member of the Spanish Rheumatology Society

**Dr. David Diaz Valle**

- ◆ Chief of Ophthalmology Section at San Carlos Clinical Hospital, Madrid
- ◆ Head of the Ocular Surface and Cornea Area of ASETCIRC
- ◆ Specialist in Ophthalmology at the Cornea and Uveitis Unit of the University Hospital of Móstoles
- ◆ Associate Professor of Ophthalmology, Complutense University of Madrid (UCM)
- ◆ PhD in Medicine and Surgery, UCM
- ◆ Graduate in Medicine and Surgery from the University of Seville
- ◆ Member of: SEIO, SER

**Dr. Rocío Galindo Zavala**

- ◆ Associate Physician Expert in Pediatric Rheumatology
- ◆ Physician at the Carlos Haya Regional University Hospital
- ◆ Assistant Physician in Pediatrics at the Maternity Hospital of Malaga
- ◆ Pediatrician in the Andalusian Health Service
- ◆ Researcher of the Childhood Osteoporosis and Osteogenesis Imperfecta Group
- ◆ Doctor of Medicine and Surgery from the University of Málaga
- ◆ Member of the Spanish Society of Pediatric Rheumatology

# 06

## Educational Plan

TECH has developed this Hybrid Professional Master's Degree in response to the need of today's professional to be updated on the latest scientific findings in their area of clinical care and the little time they have. Therefore, the theoretical part is composed of 10 modules with different sections developed under the Relearning methodology, which will allow maximum learning in a 100% online way. In addition, you will have the opportunity to download all the material that has been designed for your study and you will have the most current reference library in Pediatric Rheumatology.





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

## Module 1. Attitude Towards Children with Suspected RMD

- 1.1. Medical History
  - 1.1.1. Frequent Reasons for Consultation in Pediatric RMD
  - 1.1.2. Family Background
  - 1.1.3. Personal background
  - 1.1.4. Key Questions in RMD
  - 1.1.5. Relevant Organs and Apparatus
  - 1.1.6. Growth and Development
- 1.2. Effective Communication with the Child and Family
  - 1.2.1. Effective Interview
  - 1.2.2. Fear and Phobias
- 1.3. Exploration of the Locomotor System in Pediatric Rheumatology
  - 1.3.1. Exploration of Upper Limbs
  - 1.3.2. Exploration of Lower Limbs
  - 1.3.3. Exploration of the Spine
  - 1.3.4. Exploration of Gait
  - 1.3.5. General Examination Adapted to Rheumatology
- 1.4. Complementary Tests
  - 1.4.1. Image
    - 1.4.1.1. Radiography
    - 1.4.1.2. Ultrasound
    - 1.4.1.3. Resonance
    - 1.4.1.4. Others
  - 1.4.2. Laboratory Tests
    - 1.4.2.1. Blood Count:
    - 1.4.2.2. Biochemistry
    - 1.4.2.3. Reactants of the Acute Phase
    - 1.4.2.4. Autoantibodies
    - 1.4.2.5. Serology and Supplementation
    - 1.4.2.6. Microbiology
    - 1.4.2.7. Genetic Studies
    - 1.4.2.8. Biomarkers
  - 1.4.3. Study of Synovial Fluid
  - 1.4.4. Clinical neurophysiology

- 1.5. Multidisciplinary Assistance
  - 1.5.1. What Does the Rheumatologist Do?
  - 1.5.2. What Does the Pediatrician Do?
  - 1.5.3. What Does the Nurse Do?
  - 1.5.4. What Does the Psychologist Do?
  - 1.5.5. What Does the Physiotherapist Do?
  - 1.5.6. What Does the Occupational Therapist Do?
  - 1.5.7. What Does the Social Worker Do?
- 1.6. What Not to Do?

## Module 2. Musculoskeletal Pain in Children and Adolescents

- 2.1. What is Pain?
  - 2.1.1. Theories about Pain
  - 2.1.2. The Pain Experience
  - 2.1.3. Pain Pathways
- 2.2. Pain Assessment
  - 2.2.1. Characteristics of Pain
  - 2.2.2. Measuring Pain
  - 2.2.3. Pain Localization
    - 2.2.3.1. Knee Pain
    - 2.2.3.2. Hip Pain
    - 2.2.3.3. Ankle and Foot Pain
    - 2.2.3.4. Cervical Pain
    - 2.2.3.5. Back Pain
    - 2.2.3.6. Shoulder, Elbow and Wrist Pain
    - 2.2.3.7. Generalized Pain
- 2.3. Musculoskeletal Pain in Children
  - 2.3.1. Expression of Pain
  - 2.3.2. Conduct
  - 2.3.3. The Impact of Pain
    - 2.3.3.1. Social Impact
    - 2.3.3.2. Family
- 2.4. Pain Management
  - 2.4.1. Pharmacological Treatment. General Aspects
  - 2.4.2. Non-Pharmacological Treatment General Aspects
- 2.5. What Not to Do?



### Module 3. Musculoskeletal Alterations

- 3.1. Inflammatory Joint Pathology
  - 3.1.1. Monoarthritis
    - 3.1.1.1. Most Frequent Causes
    - 3.1.1.2. Diagnostic Attitude
    - 3.1.1.3. Therapeutic Approach
  - 3.1.2. Oligoarthritis
    - 3.1.2.1. Most Frequent Causes
    - 3.1.2.2. Diagnostic Attitude
    - 3.1.2.3. Therapeutic Approach
  - 3.1.3. Polyarthritis
    - 3.1.3.1. Most Frequent Causes
    - 3.1.3.2. Diagnostic Attitude
    - 3.1.3.3. Therapeutic Approach
- 3.2. Inflammation of the Enteses
  - 3.2.1. Most Frequent Causes
  - 3.2.2. Diagnostic Attitude
  - 3.2.3. Therapeutic Approach
- 3.3. Muscular Pathology
  - 3.3.1. Inflammatory Myopathies
  - 3.3.2. Non-Inflammatory Myopathies
- 3.4. Non-Inflammatory Joint Pathology
- 3.5. Bone Pathology
  - 3.5.1. Osteomyelitis
  - 3.5.2. Osteoporosis
  - 3.5.3. Tumours
- 3.6. What Not to Do?

### Module 4. Systemic Inflammation

- 4.1. Systemic Manifestations of Inflammation
  - 4.1.1. Fever
  - 4.1.2. Constitutional syndrome
  - 4.1.3. Fatigue
- 4.2. Alterations of the Eye with Rheumatologic Significance
  - 4.2.1. Anterior Uveitis
  - 4.2.2. Intermediate Uveitis
  - 4.2.3. Posterior Uveitis
  - 4.2.4. Epiescleritis
  - 4.2.5. Refractive Defects
- 4.3. Cutaneous Alterations with Rheumatologic Significance
  - 4.3.1. Psoriasis
  - 4.3.2. Lesions Suggestive of Connective Tissue Disease
  - 4.3.3. Lesions Suggestive of Autoinflammatory Disease
- 4.4. Digestive Alterations with Rheumatologic Significance
  - 4.4.1. Inflammatory Bowel Disease
  - 4.4.2. Complications of Malnutrition and Malabsorption
- 4.5. Cardiopulmonary, Neurological and Renal Alterations
  - 4.5.1. Cardiopulmonary Disorders
  - 4.5.2. Neurological Alterations:
  - 4.5.3. Renal Disorders
- 4.6. What Not to Do?

## Module 5. Other Musculoskeletal Symptoms

- 5.1. Gait Disorders
  - 5.1.1. Movement Analysis
  - 5.1.2. Limping
  - 5.1.3. Convergent and Divergent Gait
- 5.2. Hyperlaxity
  - 5.2.1. Frequency (F)
  - 5.2.2. Assessment
  - 5.2.3. Management
- 5.3. Angular and Torsional Deformities in Children
  - 5.3.1. Scoliosis
  - 5.3.2. Contractures and Joint Retraction
    - 5.3.2.1. Infantile Valgus Flatfoot and Forefoot Deformities
    - 5.3.2.2. Clubfoot
  - 5.3.3. Hip Pathology in Growth
    - 5.3.3.1. Hip Dysplasia
    - 5.3.3.2. Perthes' Disease, Epiphysiolysis Capitis Femoris
- 5.4. Limb Length Discrepancy
  - 5.4.1. Frequency (F)
  - 5.4.2. Assessment
  - 5.4.3. Management
- 5.5. Sports Injuries
  - 5.5.1. Frequency (F)
  - 5.5.2. Assessment
  - 5.5.3. Management
- 5.6. What Not to Do?





## Module 6. Pharmacological treatment in pediatric rheumatology

- 6.1. Symptomatic Treatment
  - 6.1.1. Analgesics
  - 6.1.2. Anti-Inflammatory Drugs
  - 6.1.3. Opioids
  - 6.1.4. Antiepileptics
  - 6.1.5. Antidepressants
- 6.2. Directed Treatment
  - 6.2.1. Disease-Modifying Drugs
  - 6.2.2. Biological Evidence
  - 6.2.3. Biosimilars
  - 6.2.4. Small Molecules
- 6.3. Day to Day Treatment
  - 6.3.1. Conservation of Treatments, Travel
  - 6.3.2. Complications and adverse effects
- 6.4. What Not to Do?

## Module 7. Non-Pharmacological Treatment and Psychosocial Support

- 7.1. Exercise and Physical Activity in Children
  - 7.1.1. Exercise, Physical Activity and Sport
  - 7.1.2. Specifics of Exercise in Children with RMD
- 7.2. Rehabilitation
  - 7.2.1. Splints and Orthoses
  - 7.2.2. Physical Therapies in Children
- 7.3. Orthopedic Surgery
  - 7.3.1. Special Features of Immature Bone and the Growing Skeleton
  - 7.3.2. Infantile Fractures
    - 7.3.2.1. Most Common Traumatic Fractures and Traumatic Epiphysiolysis
    - 7.3.2.2. Common Techniques of Osteosynthesis in Children
  - 7.3.3. Infection Management in the Locomotor System in Children
  - 7.3.4. Surgery of Growing Spine Deformities
  - 7.3.5. Osteotomies of the Pelvis and the Upper Extremity of the Femur

- 7.4. Nutritional Advice
  - 7.4.1. Obesity
  - 7.4.2. Malnutrition
  - 7.4.3. Supplements
- 7.5. Psychological Approach to Pediatric RMDs
  - 7.5.1. Fears, Phobias and Anxieties
  - 7.5.2. Generalized Anxiety Disorder and Panic Disorder
  - 7.5.3. Depression in Childhood and Adolescence
  - 7.5.4. Sleep Disorders
  - 7.5.5. Eating Disorders
  - 7.5.6. Dissocial Disorder
  - 7.5.7. Learning Disorders
  - 7.5.8. Training of Parents of Children with RMD
  - 7.5.9. Family Behavioral Intervention
- 7.6. Occupational Intervention
  - 7.6.1. Occupational Schedules
  - 7.6.2. Play as Therapy
  - 7.6.3. Technical Aids
- 7.7. What Not to Do?

## Module 8. Preventive Activities

- 8.1. Vaccines
  - 8.1.1. Official Vaccination. Peculiarities to Bear in Mind
  - 8.1.2. Extra Vaccination According to Diseases and Treatments
- 8.2. Chemoprophylaxis
  - 8.2.1. What to Do in the Event of Surgery?
  - 8.2.2. What to Do in the Event of Intercurrent Infections?
- 8.3. Tuberculosis Screening
  - 8.3.1. Who Should Be Screened?
  - 8.3.2. Existing Tests
  - 8.3.3. What to Do in Case of a Positive Test?

- 8.4. Osteoporosis Screening in Children
  - 8.4.1. Who Should Be Screened?
  - 8.4.2. Existing Tests
  - 8.4.3. What to Do in Case of a Positive Test?
- 8.5. Adaptation to the School Environment and Activities of Daily Life
  - 8.5.1. Adaptation to the School Environment
  - 8.5.2. Daily Living Activities
  - 8.5.3. Sibling Syndrome
- 8.6. Detection of Comorbidity
  - 8.6.1. Hearing Impairment
  - 8.6.2. Attention and Concentration Deficits
  - 8.6.3. Voice Problems
- 8.7. What Not to Do?

## Module 9. Transition to Adulthood with Juvenile-Onset RMD

- 9.1. Access to Transition Services and Initiation of the Process
  - 9.1.1. Definition of Transition Services
  - 9.1.2. Transition as a Moving Target
- 9.2. Transition Policies
  - 9.2.1. Recommendations of the Spanish Transition Group on RMD Transition
  - 9.2.2. EULAR Recommendations for Transition in RMD
- 9.3. Documentation of the Transition and Transfer Processes
  - 9.3.1. What Should Be Documented in the Transition?
  - 9.3.2. How Should the Transfer Be Documented?
- 9.4. The HEADSS Strategy
  - 9.4.1. Definition
  - 9.4.2. Application
- 9.5. How to Adapt Services to Adolescents?
  - 9.5.1. How to Adapt Language and Communication?
  - 9.5.2. How to Make the Handover of Responsibility?
- 9.6. Peer-to-Peer Communication
  - 9.6.1. Communication among Adolescents
  - 9.6.2. Communication between Professionals
- 9.7. What Not to Do?

**Module 10. Disease "Wiki" (Resources to Which All Modules Address)**

- 10.1. Juvenile Idiopathic Arthritis
  - 10.1.1. Uveitis Associated with Juvenile Idiopathic Arthritis
  - 10.1.2. Macrophage Activation Syndrome
- 10.2. Pain Amplification Syndromes
  - 10.2.1. Juvenile Fibromyalgia
  - 10.2.2. Complex Regional Pain Syndrome
- 10.3. Chronic Musculoskeletal Pain
  - 10.3.1. Growing Pains
  - 10.3.2. Osteochondrosis
  - 10.3.3. Benign Generalized Joint Hyperlaxity
- 10.4. Vasculitis
  - 10.4.1. Schönlein-Henoch Purpura
  - 10.4.2. Kawasaki Disease
  - 10.4.3. Wegener's Granulomatosis, Takayasu's Arteritis, Churg-Strauss Syndrome, and Other Vasculitides
- 10.5. Connectivopathies
  - 10.5.1. Systemic Lupus Erythematosus
  - 10.5.2. Sjögren's Syndrome
  - 10.5.3. MCD
  - 10.5.4. Antiphospholipid Syndrome
  - 10.5.5. Idiopathic Inflammatory Myopathy
    - 10.5.5.1. Juvenile Dermatomyositis
  - 10.5.6. Scleroderma
    - 10.5.6.1. Localized Scleroderma
    - 10.5.6.2. Systemic Sclerosis
- 10.6. Lysosomal Metabolic Diseases
- 10.7. Bone Diseases
  - 10.7.1. Osteoporosis in Children
  - 10.7.2. Collagenosis
    - 10.7.2.1. Stickler's Disease
    - 10.7.2.2. Marfan, Ehler-Danlos
- 10.8. Autoinflammatory Syndromes
  - 10.8.1. PFAPA Syndrome
  - 10.8.2. Inherited Relapsing Fever Syndromes
  - 10.8.3. Other Autoinflammatory Syndromes
- 10.9. Osteoarticular Infections
- 10.10. Rheumatic Fever and Post-Streptococcal Arthritis
- 10.11. How Are the Diseases Classified?



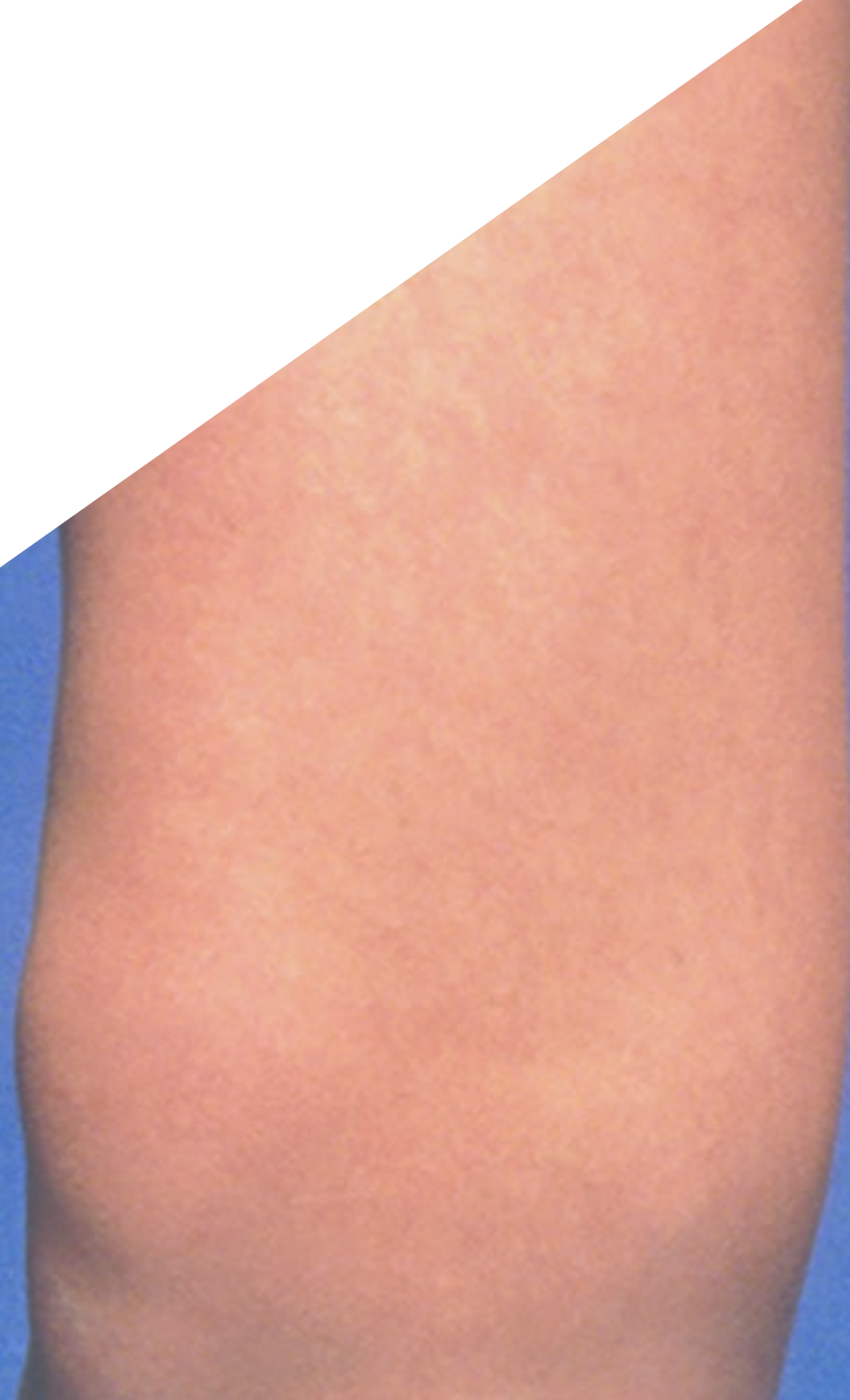
*Thanks to this program, you will be updated on the preventive, diagnostic and therapeutic methods of SCRE in the pediatric patient"*



07

# Clinical Internship

After completing the online study period, the program includes a practical training period in a reference clinical center. The student will have at their disposal the support of a tutor who will accompany them during the whole process, both in the preparation and in the development of the clinical practice.



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*Through this program you will be able to do your internship in a hospital of the future, with the best medical technology and alongside renowned professors, learning in a first class hospital environment”*

The Internship Program consists of a 3-week clinical internship, Monday through Friday, with 8 consecutive hours of practice with an attending specialist. This stay will allow you to see real patients alongside a team of reference professionals applying the most innovative diagnostic procedures and planning the latest generation of therapy for each pathology.

In this training proposal, completely practical in nature, the activities are aimed at developing and perfecting the competencies necessary for the provision of health care in areas and conditions that require a high level of qualification, and which are oriented towards specific training for the exercise of the activity, in an environment of patient safety and high professional performance.

It is undoubtedly an opportunity to learn by working in the innovative hospital of the future where real-time health monitoring of patients is at the heart of the digital culture of its professionals.

The practical part will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of the professors and other fellow trainees to facilitate teamwork and multidisciplinary integration as transversal competencies for clinical practice (learning to be and learning to relate).







The procedures described below will form the basis of the practical part of the training, and their completion is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:

Module	Practical Activity
<b>Management of the patient with symptoms of RMD</b>	Obtain a complete history of the child's symptoms, along with family history
	Explore the patient's physiology to rule out swelling, warmth or redness of the joints, joint deformities or cramps and movement difficulties
	Review laboratory tests and recent imaging previously performed and in case of not possessing refer the realization of the most appropriate as: CT, MRI or Bone Scintigraphy
	Identify the manifestations of pain in the patient
	Perform different tests such as the study of synovial fluid, HLA system, ASLO, among others
<b>Non-Pharmacological Treatment and Psychosocial Support</b>	Ruling out the need for orthopedic surgery
	Determine an appropriate nutrition plan for the patient
	Prescribe regular physical activity
	Indicate the Physiotherapy adjusted to the patient's needs
	Participate in orthopedic surgery
	Perform biological therapies, subcutaneous or intravenous, or JAK inhibitor therapies
<b>Pharmacological treatment in pediatric rheumatology</b>	Prescribe nonsteroidal anti-inflammatory drugs and low doses of cortisone
	Indicate Methotrexate for the treatment of juvenile idiopathic arthritis
	Perform symptomatic treatments
	Performing Targeted Treatments
	Evaluate the evolution of the pediatric patient with the assigned treatments
<b>Preventive Activities</b>	Implement the Vaccination Plan
	Indicate Chemoprophylaxis
	Perform Tuberculosis Screening
	Perform screening for osteoporosis in children

## Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieving this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this educational entity undertakes to take out civil liability insurance to cover any eventuality that may arise during the stay at the internship center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. In this way, the professional will not have to worry in case he/she has to face an unexpected situation and will be covered until the end of the practical program at the center.





## General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

**1. TUTOR:** During the Hybrid Professional Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

**2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

**3. ABSENCE:** If the students does not show up on the start date of the Hybrid Professional Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

**4. CERTIFICATION:** Professionals who pass the Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** the Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

**7. DOES NOT INCLUDE:** The Hybrid Professional Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

08

# Where Can I Do the Clinical Internship?

Within this Hybrid Professional Master's Degree, the professional has the choice of a clinical center of their preference for the 100% practical period. Thus, you will be able to choose according to your needs and objectives. Undoubtedly, a unique experience that only TECH can offer.





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*Acquire the most complete and advanced learning, technologically and medically, with an innovative academic program and a human team capable of pushing you professionally to the highest level”*



The student will be able to take the practical part of this Hybrid Professional Master's Degree in the following centers:



Medicine

### Hospital Maternidad HM Belén

Country	City
Spain	La Coruña

Address: R. Filantropía, 3, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Update in Assisted Reproduction
- Hospitals and Health Services Management



Medicine

### Hospital HM Rosaleda

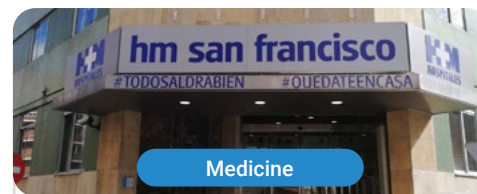
Country	City
Spain	La Coruña

Address: Rúa de Santiago León de Caracas, 1, 15701, Santiago de Compostela, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Medicine

### Hospital HM San Francisco

Country	City
Spain	León

Address: C. Marqueses de San Isidro, 11, 24004, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Trauma Nursing



Medicine

### Hospital HM Regla

Country	City
Spain	León

Address: Calle Cardenal Landázuri, 2, 24003, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Update on Psychiatric Treatment in Minor Patients



Medicine

### Hospital HM Nou Delfos

Country	City
Spain	Barcelona

Address: Avinguda de Vallcarca, 151, 08023 Barcelona

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Medicine

### Hospital HM Torrelodones

Country	City
Spain	Madrid

Address: Av. Castillo Olivares, s/n, 28250, Torrelodones, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Hospital HM Sanchinarro

Country	City
Spain	Madrid

Address: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Palliative Care



Medicine

### Policlínico HM Cruz Verde

Country	City
Spain	Madrid

Address: Plaza de la Cruz Verde, 1-3, 28807, Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Advanced Clinical Podiatry
- Optical Technologies and Clinical Optometry





### Policlínico HM Distrito Telefónica

Country	City
Spain	Madrid

Address: Ronda de la Comunicación,  
28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Optical Technologies and Clinical Optometry
- General and Digestive System Surgery



### Policlínico HM Sanchinarro

Country	City
Spain	Madrid

Address: Av. de Manoteras, 10,  
28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Gynecological Care for Midwives
- Nursing in the Digestive Tract Department



### Policlínico HM Virgen del Val

Country	City
Spain	Madrid

Address: Calle de Zaragoza, 6, 28804,  
Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Diagnosis in Physiotherapy
- Physiotherapy in Early Care



09

# 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.





# 10 Certificate

This Hybrid Professional Master's Degree in Update in Pediatric Rheumatology guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree diploma issued by TECH Technological University.



“

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



This **Hybrid Professional Master's Degree in Update in Pediatric Rheumatology** contains the most complete and up-to-date program on the professional and educational field.

After the student has passed the assessments, they will receive their corresponding Hybrid Professional Master's Degree diploma issued by TECH Technological University via tracked delivery\*.

In addition to the certificate, students will be able to obtain an academic transcript, as well as a certificate outlining the contents of the program. In order to do so, students should contact their academic advisor, who will provide them with all the necessary information.

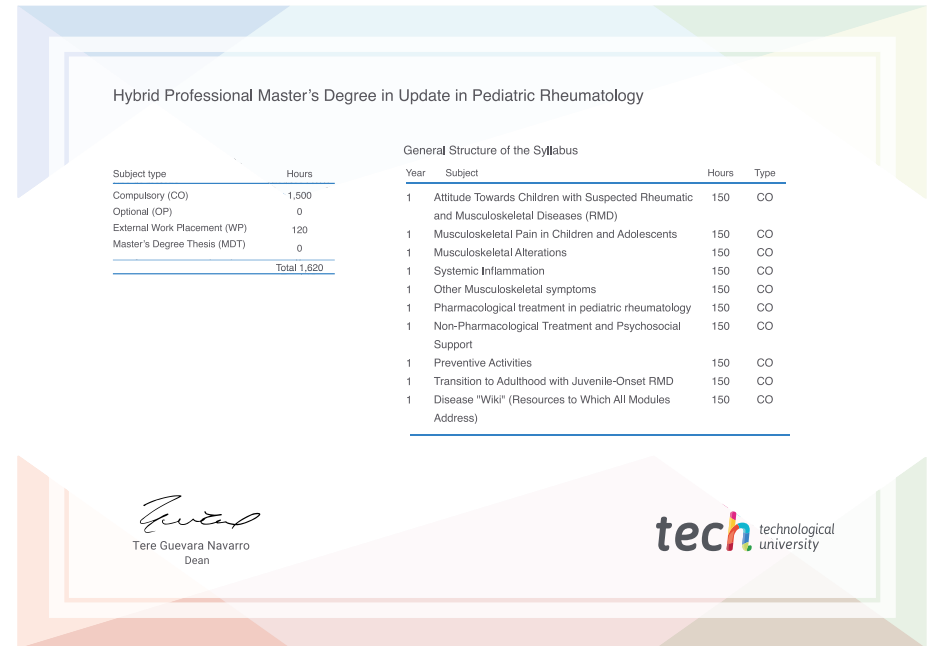
Program: **Hybrid Professional Master's Degree in Update in Pediatric Rheumatology**

Course Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months**

Certificate: **TECH Technological University**

Teaching Hours: **1,620 h.**



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



## Hybrid Professional Master's Degree

Update in Pediatric Rheumatology

Course Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Technological University

Teaching Hours: 1,620 h.

# Hybrid Professional Master's Degree

Update in Pediatric  
Rheumatology