

Postgraduate Certificate Pediatrics and Advanced Integrative Medicine





Postgraduate Certificate Pediatrics and Advanced Integrative Medicine

Course Modality: Online

Duration: 3 months.

Certificate: TECH Technological University

8 ECTS Credits

Teaching Hours: 200 hours.

Website: www.techtitute.com/medicine/postgraduate-certificate/pediatrics-advanced-integrative-medicine

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01

Introduction

Pediatrics is one of the medical specialties in which the relationship with the patient is more complex. Consequently, the incorporation of the approach and anamnesis techniques of Integrative Medicine to this area becomes an opportunity full of advantages for the professional. In this way of doing medicine, the doctor-patient relationship acquires a new dimension, based on the active listening of the professional and the acquisition of responsibility by the patient. This approach, which is growing unstoppably in the most medically developed countries, also incorporates the contrasted advances of Complementary and Natural Medicine to the ways of working of Conventional Medicine in a perfect synergy.





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Incorporating the proven advances of integrative medicine into pediatric practice with a practical Postgraduate Certificate of recognized efficacy”

Advanced Integrative Medicine is a field of Health Sciences that is in full development in the most advanced countries, with a large percentage of the population using complementary or alternative forms of treatment (CAM) at least once in their lifetime: 48% in Australia, 70% in Canada, 42% in the USA, 38% in Belgium, and 75% in France.

The momentum of this approach is motivating its inclusion in public health services in countries such as the United Kingdom, Germany, Belgium, the Netherlands and the Nordic countries. For example, 90% of pain management services in the United Kingdom and 70% in Germany include acupuncture among the treatments they provide.

In 1998, the European Union completed a COST (European Cooperation in the field of Scientific and Technical Research) project on non-conventional medicine. With the participation of several governments, including Spain, the aim was to demonstrate the possibilities, limitations and significance of alternative medicine, establishing a common scientific framework, harmonizing legislation and helping to control healthcare costs. The CAMBRELLA project, a pan-European research network on natural therapies, was launched in January 2010 and has been funded with more than 1.5 million euros through the EU's Seventh Framework Program. The working groups that make up CAMBRELLA focus on terminology, legal framework, patient needs, the role of natural therapy treatments in healthcare systems and research methodology.

The World Health Organization expressed in this regard the explicit desire to incorporate Traditional Medicine at the global level in its 2014-2023 Strategy.

With the most complete and up to date scientific program on the market. The most significant features of the Postgraduate Certificate are:

- Development of more than 75 clinical cases presented by experts in Advanced Integrative Medicine and Health.
- Graphic, schematic and eminently practical contents with scientific and assistance information on those disciplines that are essential for professional practice.
- Diagnostic and therapeutic advances on evaluation, diagnosis and intervention in Advanced Integrative Medicine and Health.
- Practical exercises where the self-evaluation process can be carried out to improve learning.
- Clinical iconography and diagnostic imaging tests.
- Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- Incidence on evidence-based medicine and research methodologies in Advanced Integrative Medicine and Health.
- 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.



Integrative medicine involves the confluence of proven advances in conventional and complementary medicine. A medical practice on the increase in the most developed countries that has the backing and encouragement of the WHO"

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Get your qualification with the prestige of the best online university of the moment"

Its faculty is made up of prestigious and renowned Spanish professionals, including experts in the field of medicine and advanced integrative health, with a long history of care, teaching and research, who have worked in various hospitals throughout the country, developing a professional and teaching experience that they deliver in an extraordinary way in this course.

The methodological design of this course, developed by a multidisciplinary team of e-learning experts, integrates the latest advances in educational technology for the creation of numerous multimedia educational tools that allow the professional, based fundamentally on the scientific method, to face the solution of real problems in their daily clinical practice, which will allow them to advance in the acquisition of knowledge and the development of skills that will impact their future professional work.

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. For this, the doctor will be assisted by an innovative interactive video system created by renowned experts in the field of Advanced Integrative Medicine and Health and other related disciplines with extensive teaching experience.

A teaching staff made up of experts in the field, who will accompany you through more than seventy real cases.

You will learn hands-on with the most powerful interactive video system on the market today.



02 Objectives

This Postgraduate Certificate is aimed at updating and acquiring knowledge and practices in integrative medicine and health, through the use of a problem-based learning system, which will place you in real situations, creating a practical environment of high didactic effectiveness.





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In just a few weeks, you will acquire the basic skills necessary to put into practice the way Integrative Medicine in Pediatrics works”



General Objectives

- Acquire the knowledge and skills necessary to assess the suitability of each discipline in the clinical setting, allowing the provision of quality care based on scientific evidence.
- Update the knowledge of the Health Sciences Professional in the various fields of Integrative Medicine.
- Promote work strategies based on the integrative approach and multimodal rehabilitation, as a reference model in the achievement of excellence in care.
- To promote the acquisition of technical skills and abilities through an effective multimedia system.
- Encourage Professional stimulation through continuing Education and Research.



A Postgraduate Certificate endorsed by the prestige of TECH Technological University, with the most expert teaching staff and the online technology best adapted to the teaching of scientific content"





Specific Objectives

- Explain basic aspects related to the module.
- Identify at-risk and vulnerable populations, environmental conditions and associated chronic diseases.
- Discuss symptoms, disorders and diseases associated with exposure to heavy metals, pesticides, chemicals, drugs, nutrients, the natural environment and other toxic causes of oxidative stress.
- Review the literature on exposure, exposure time and metabolic reserve in human health.
- Review the legal context of the application of Integrative Medicine, how to assess risk and mitigate cases of malpractice.
- Understand common ethical issues that arise in current clinical practice.
- Analyze the relationship between the peripheral and central nervous system with the digestive tract and the immune system.
- Study the relationship of stress to mindfulness, mindfulness and self-care.
- Develop practices related to Mind-Body Techniques based on mindfulness and related techniques.
- Examine heart rate variability, autonomic tone, and self-regulatory practices for emotional care.
- Design a care plan based on personal needs and barriers.

03

Course Management

The program includes in its teaching staff reference specialists in integrative medicine and health and other related areas, who bring to this training 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.





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Learn from leading professionals the latest advances in procedures in the field of Pediatrics and Advanced Integrative Medicine"

Management



Dr. Menassa, Alejandra

- ♦ Internal Medicine Physician
- ♦ President of the Spanish Society of Integrative Health and Medicine and Health (SESMI)
- ♦ Head of CMI's Mental Health Unit
- ♦ Psychoanalyst and Professor at Grupo Cero School of Psychoanalysis
- ♦ Member of SEMI (Spanish Society of Internal Medicine).
- ♦ Expert in ozone therapy in Internal Medicine from the University of Havana.
- ♦ Master's Degree in Evaluation of bodily and psychosocial damage by the European Institute



Rodríguez, Pedro

- ♦ Nurse.
- ♦ Master's Degree in Mental Health Catholic University of Valencia
- ♦ Master's Degree in Nutrition University of the Balearic Islands
- ♦ Expert in Immunonutrition Catholic University of Valencia
- ♦ Specialist in Natural Medicine (Osteopathy, Kinesiology and Acupuncture), Faculty of Medicine, University of Murcia.
- ♦ Diploma in Acupuncture by ADEATA and FEDINE
- ♦ Director of the Therapeutic Yoga postgraduate course at the CEU Cardenal Herrera
- ♦ Director of Medintegra
- ♦ Socio Biomédica Sc.
- ♦ Educational partner of the G-SE international team

Professors

Dr. Álvaro Morales, María del Pilar

- ♦ Degree in Medicine and Surgery from the Autonomous University of Gran Canaria in 1992. Pediatrician
- ♦ Master's Degree in Homeopathy from the University of Las Palmas de Gran Canaria in 2017. Trained in Kinesiology

Dr. Begara, Mar

- ♦ Degree in Medicine and Surgery UAM with Outstanding End of Degree Award, Specialist in Pediatrics, Hospital La Paz. Specialist in Pediatric and Neonatal Intensive Care at Hospital La Paz, Intensivist at Hospital Madrid-Montepincipe-Torrelodones. Master en Terapeutica Homeopatica . Specialist in Bioregulatory Medicine. Specialist in Orthomolecular Nutrition:

Dr. García, Olga

- ♦ Specialist Doctor in Family and Community Medicine. Training in Homeopathy and Acupuncture. Currently works at the Anderson Oncology Clinic in Madrid.

Dr. Rodríguez, Mónica

- ♦ Attending Pediatrician at the Hospital Quirón Marbella. Pediatric Services



04

Structure and Content

The structure of the contents has been designed by a team of professionals from the best hospitals and universities in the country, aware of the relevance of current training to intervene in the treatment and monitoring of the patient through the use of Integrative Medicine and Health and committed to quality teaching through new educational technologies.



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A high level Postgraduate Certificate with which you will be trained in Integrative Medicine whenever and wherever you want, with the convenience of a Postgraduate Certificate totally adaptable to you"

Module 1. Pediatrics and Integrative Medicine

- 1.1. The Importance of the First 1000 Days.
 - 1.1.1. Environmental Medicine. Importance of Toxins in Pregnancy and Child Development.
 - 1.1.2. The Detoxification Processes.
 - 1.1.3. Supplementation and Nutrition in Pregnancy.
 - 1.1.4. Supplementation and Nutrition in the First Two Years of Life.
 - 1.1.5. Normal Psychomotor Development and its Alterations.
 - 1.1.5. 1. Developmental Delay.
 - 1.1.5. 2. TDHA
 - 1.1.5. 3. Autism and ASD
- 1.2. Supplementation and Nutrition in the Different Stages of Development.
 - 1.2.1. Supplementation and Nutrition in Preschool.
 - 1.2.2. Supplementation and Nutrition in Adolescents.
- 1.3. Integrative Approach to the Main Pediatric Pathologies.
 - 1.3.1. Introduction.
 - 1.3.1.1. Mucosal Inflammation Syndrome.
 - 1.3.1.2. Support for Hepatic Detoxification.
 - 1.3.2. Digestive Pathology
 - 1.3.2.1. Infantile Colic
 - 1.3.2.2. Constipation and Diarrhea
 - 1.3.2.3. GERD
 - 1.3.2.4. IBD and Celiac Disease
 - 1.3.2.5. Hepatopathies
 - 1.3.2.6. Intestinal Dysbiosis
 - 1.3.3. Respiratory Pathology
 - 1.3.3.1. Bronchiolitis and Asthma. Respiratory Allergies.
 - 1.3.3.2. Infectious Pathology of the Respiratory Tract.
 - 1.3.4. Dermatitis and Skin Diseases
 - 1.3.5. Endocrine Pathology
 - 1.3.5.1. Obesity and Metabolic Syndrome.
 - 1.3.5.2. Diabetes
 - 1.3.5.3. Hypothyroidism
 - 1.3.5.4. Failure of Medro
 - 1.3.5.5. Pubertal Disturbances
 - 1.3.5.6. SOP
 - 1.3.6. Autoimmune Pathology. Herpes Virus Infections.
 - 1.3.7. Neurological Pathology
 - 1.3.7.1. Epilepsy
 - 1.3.7.1. Pediatric Cerebral Palsy
 - 1.3.8. Children's Oncology
 - 1.4. Integrative Pediatric First Aid Kit
 - 1.5. School for Parents
 - 1.6. Children's Mental Health
 - 1.6.1. Most Frequent Problems
 - 1.6.2. Integrative Medicine Approach



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A complete and specific syllabus, created to optimize your learning in a short time and with the highest teaching quality in the market"

05

Methodology

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

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



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

At TECH we use the Case Method

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

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



According to Dr. 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 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.

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Did you know that this method was developed in 1912 at Harvard for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more 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

The Postgraduate Certificate in Pediatrics and Advanced Integrative Medicine guarantees you, in addition to the most rigorous and up to date training, access to a Course Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Pediatrics and Advanced Integrative Medicine** contains the most complete and up to date scientific program on the market.

After the student has passed the evaluations, he/she will receive by mail with acknowledgment of receipt their corresponding **Postgraduate Certificate** issued by TECH Technological University.

The diploma issued by **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 Pediatrics and Advanced Integrative Medicine

ECTS: 8

Official Number of Hours: 200



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

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



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