

# Postgraduate Diploma

Research and ICT in Advanced  
Integrative Medicine



## Postgraduate Diploma Research and ICT in Advanced Integrative Medicine

Course Modality: **Online**

Duration: **6 months**

Certificate: **TECH Technological University**

Official N° of hours: **500 h.**

Website: [www.techtute.com/in/medicine/postgraduate-diploma/postgraduate-diploma-research-ict-advanced-integrative-medicine](http://www.techtute.com/in/medicine/postgraduate-diploma/postgraduate-diploma-research-ict-advanced-integrative-medicine)

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# 01

# Introduction

The implementation of tools based on Information and Communication Technologies in healthcare systems has made it possible to optimize multiple processes, also benefiting the research sector. In this way, through specialized digital structures, waiting times have been reduced in an equitable manner to increase the quality of the results, contributing to a more specific and adapted clinical care. Based on this, TECH has developed a complete program aimed at updating the knowledge of specialists, especially those who dedicate their activity to Integrative Medicine, so that you can get up to date on the new features of ICT in the health field. In this way, they will be able to implement the most innovative technological strategies in their practice after only 6 months of 100% online educational experience.





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*TECH presents this program as a unique opportunity for you to implement in your clinical practice the use of the most innovative digital tools designed for the field of Integrative Medicine"*

The development of new technologies and their implementation in more and more sectors has made it possible to reduce waiting times and costs, optimizing processes and opening up a wide range of possibilities for immediate automated information management. Healthcare has also benefited from these advances, including in its practice increasingly sophisticated resources, procedures and techniques for data management, contributing to an even more specific practice of healthcare medicine. An example of this is the coordination between different specialists through biotechnological tools that share resources online. In other words, the oncologist can see the results of a test requested by the gastroenterologist and compare them with previous results immediately.

This is an incessant evolution that each year brings with it an endless number of advances that translate into changes in favor of achieving significant progress in science. For this reason, TECH has considered it necessary to develop a program that, precisely, gathers the most relevant and innovative information in this regard, so that the physician can be updated in a comfortable, intensive and guaranteed way. Thus arises the Postgraduate Diploma in Research and ICT in Integrative Medicine, a multidisciplinary and dynamic program through which you can delve into the advances in the techniques of this specialty (therapies, mechanisms of action, supplementation, etc.), as well as update your knowledge in relation to the fundamentals and collaborative work in TCM. In addition, the study plan places special emphasis on ICT tools applied to the healthcare field, delving into the software and platforms that are currently setting trends.

It is, therefore, a unique opportunity to get up to date through a 100% online academic program designed by professionals versed in Integrative Medicine, who will be part of the teaching team. Likewise, the graduate will have access to a state-of-the-art Virtual Campus where they will find the 500 hours of diverse material included in the program, which can be accessed from any device with an internet connection, guaranteeing a customized update based on their needs.

This **Postgraduate Diploma in Research and ICT in Advanced Integrative Medicine** contains the most complete and up-to-date scientific program on the market.

The most important features include:

- ♦ Practical cases presented by experts in Integrative Health
- ♦ 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
- ♦ Practical exercises where self-assessment can be used to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ 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

“*If you are involved in research or are interested in it, this program includes a specific module for you to update your knowledge on the fundamentals that govern the current context*”



*Do you want to keep up to date with the most innovative advances in the field of Integrative Medicine? Choose this program and you can study it 100% online and in only 6 months"*

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

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 education programmed to learn in real situations.

This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

*Phytotherapy is a very important area within Integrative Medicine. For this reason, this Postgraduate Diploma includes a specific section so that you can get up to date on its advances.*

*Would you like to know in detail the latest news related to video consultation? If the answer is yes, you have the perfect opportunity to do so.*



# 02 Objectives

Technology is constantly evolving, including that applied to the healthcare field. For this reason, TECH and its team of experts have considered it necessary to develop a program that gathers, precisely, the most complete and innovative information related to the use of ICT in research and Integrative Medicine. In this way, the specialist will have the opportunity to update their knowledge in a practical, dynamic and specific way, guaranteeing an academic program of the highest level adapted to the demands of today's clinical-technological sector.







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*If you have been wanting to perfect your skills in the use of the main biomedical tools for some time, this Postgraduate Diploma is perfect for you. Are you going to let this opportunity pass by?"*



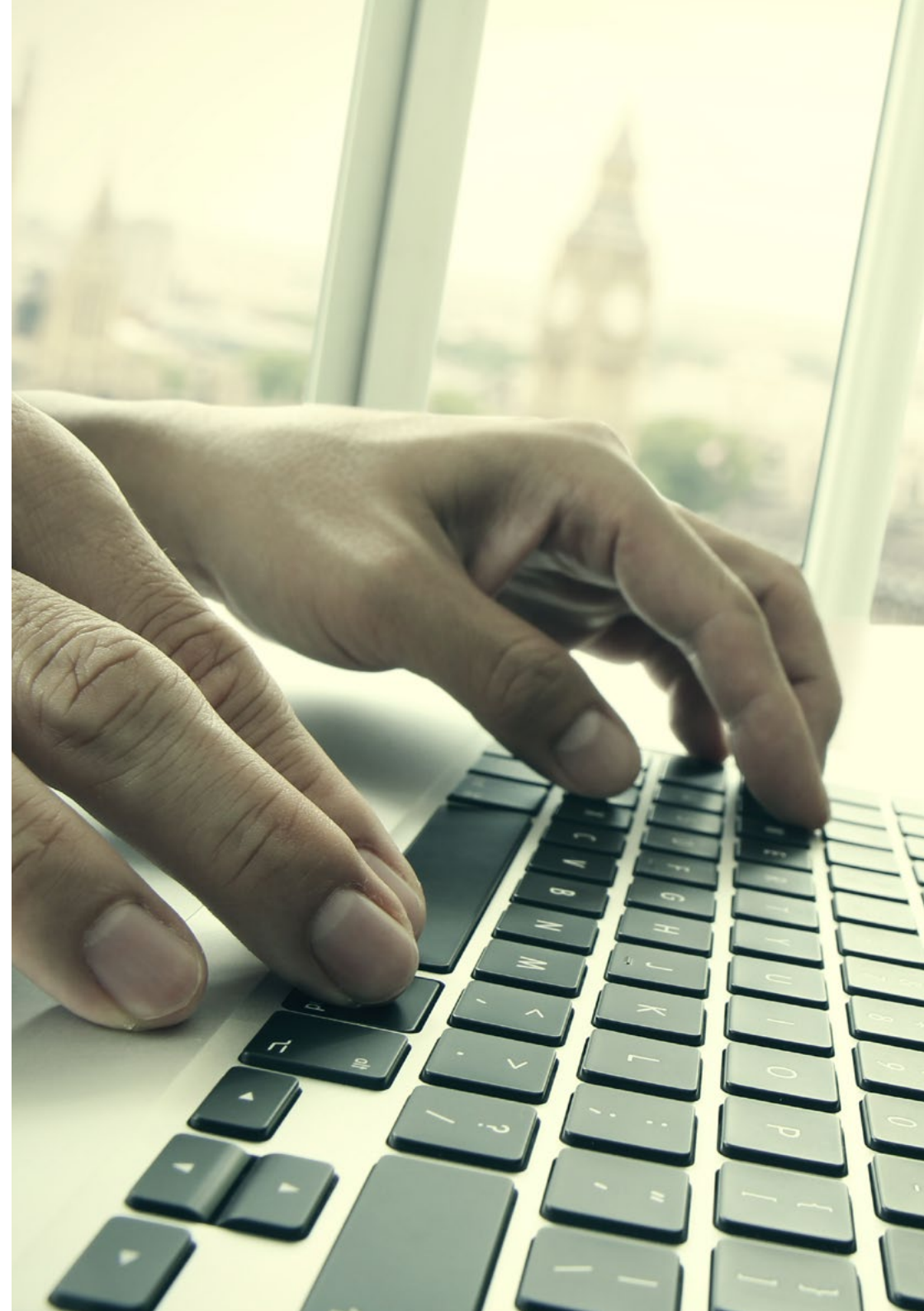
## General objectives

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- Know in detail the main advances that have been carried out in relation to the implementation of technology in Integrative Medicine
- Provide the specialist with the most up-to-date knowledge to develop a clinical practice of the highest level based on the latest developments in ICT and Medicine



*TECH designs each program with the needs of its graduates in mind. Therefore, in this Postgraduate Diploma you will find all the resources to overcome even your most complex and ambitious goals"*





## Specific objectives

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### Module 1. Advances in Integrative Medicine Techniques

- ♦ Analyze the relationship between the peripheral and central nervous system with the digestive tract and the immune system
- ♦ Review access to complementary medicine therapies in hospital settings
- ♦ Analyze Neural therapy and Ozone Therapy
- ♦ Learn the clinical advances in integrative nutrition such as the Anti-Inflammatory and Ketogenic Diets

### Module 2. Research

- ♦ Understand what can be disclosed, to whom, for what reason and what is needed to disclose cases
- ♦ Address the need to bring Integrative Medicine into the Public Health System
- ♦ Reflect on the need for academic and professional organization according to the regulatory framework of some European countries
- ♦ Discuss the right of the individual as a patient to free access to Integrative Medicine
- ♦ Reflect the reduction in economic expenditure and improvement in quality of life related to the introduction of IM
- ♦ Identify community resources and referral network for patients requiring specialized care

### Module 3. Information and Communication Technologies Applied to Integrative Medicine

- ♦ Identify the available platforms to handle patient databases
- ♦ Analyze SEO and SEM positioning techniques as well as algorithms

03

# Course Management

For the faculty of this Postgraduate Diploma TECH has carried out an arduous selection work, in order to design an unparalleled teaching team. As a result, the graduate will have the support and guidance of a group of professionals specialized in the field of Integrative Medicine characterized, in addition to their extensive and long careers, by their human qualities and their commitment to the advancement of science. You will be able to update your knowledge based on the experience of these specialists, as well as learn about their strategies for success and their advice for top-level medical practice.





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*If you have any questions, the teaching team will be at your disposal to solve them through the Virtual Campus”*

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## Management



### Dr. Menassa, Alejandra

- Specialist in integrative medicine
- President of the Spanish Society of Integrative Health and Medicine (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)
- Master's Degree in Evaluation of bodily and psychosocial damage by the European Institute
- Expert in ozone therapy in Internal Medicine from the University of Havana



### Dr. Rodríguez, Pedro

- Nurse
- Director of Medintegra
- Head of sanitary area C.A.I. Alicante City Council
- Director of the Therapeutic Yoga postgraduate course at the CEU Cardenal Herrera
- Diploma in Acupuncture by ADEATA and FEDINE
- Specialist in Natural Medicine (Osteopathy, Kinesiology and Acupuncture), Faculty of Medicine, University of Murcia
- Master's Degree in Mental Health, Catholic University Valencia
- Master's Degree in Nutrition, University of the Balearic Islands
- Expert in Immunonutrition, Catholic University of Valencia

## Professors

### Dr. García Gutiérrez, Rosario

- ♦ Director of the Clinical Department at Grupo Cero
- ♦ Physician Specialist in Rheumatology and Family Medicine
- ♦ Psychoanalyst of the Grupo Cero School of Psychoanalysis
- ♦ Member of SESMI

### Dr. Rigau, Josepa

- ♦ President and Trainer at the Spanish Association of Microimmunotherapy
- ♦ Doctor of Medicine and Surgery, Rovira i Virgili University of Tarragona
- ♦ Specialist and Master's Degree in Biological and Antiaging Medicine from the University of Alcalá
- ♦ Master's Degree in Pharmacogenetics, Pharmacogenomics and Personalized Medicine from the University of Barcelona
- ♦ Master's Degree in Environmental Medicine
- ♦ Specialist in Biological and Environmental Medicine.

### Dr. Pellicer, Cristina

- ♦ Specialist in Clinical Oncology
- ♦ Medical trainer in thoracic surgery
- ♦ Master's Degree in Clinical Oncology from the University of the Basque Country
- ♦ Master's Degree in Clinic Psychoneuroimmunology from the University of Salamanca and Psychoneuroimmunology in Europe

### Dr. Crespo de la Rosa, Juan Carlos

- ♦ Specialist in integrative medicine
- ♦ Professor of the Department of Pharmacology, Pediatrics and Radiology at the University of Sevilla
- ♦ Doctor of Medicine and Surgery from the University of Sevilla

- ♦ Graduate in Medicine and Surgery from the Sevilla University
- ♦ Master's Degree in Acupuncture, University of Seville
- ♦ University Master's Degree in Biological Medicine at the University of Seville
- ♦ University Master's Degree in Homeopathy at the University of Seville
- ♦ Master's Degree in Medical Anti-Aging, University of Seville and University of Alcalá de Henares

### Dr. Salgado, Carmen

- ♦ Current position: Biochemist and naturopath
- ♦ Bachelor's Degree in in Traditional Chinese Medicine
- ♦ Degree in Biochemistry and Molecular Biology
- ♦ Master's Degree in Orthomolecular Nutrition
- ♦ University expert in Naturopathy

### D. Serrano Gandía, Juan

- ♦ Teacher at the Master's Degree in Integrative Supplements at the ESI
- ♦ OSMI Executive Committee Member
- ♦ Degree in Pharmacy
- ♦ Graduate in Biological Sciences
- ♦ Specialist in Biochemistry and Molecular Biology

### Dr. Blázquez, Elisar

- ♦ Nutritionist
- ♦ Nutritional coach
- ♦ Head of the Nutritional and Dietary Department, Clínica Medicina Health

**Dr. Lajo Morales, Teresa**

- ♦ Head of the department of endocrinology of the Moncloa University Hospital
- ♦ Physician specializing in endocrinology and nutrition
- ♦ Professor of Endocrinology at the European University
- ♦ Master's Degree in Health Services Management and Administration
- ♦ Master's Degree in Cognitive-Behavioral Therapy

**Dr. Díaz, Gualberto**

- ♦ Specialist in Pediatrics and Integrative Medicine
- ♦ Diploma in Pediatrics for Family Physicians
- ♦ Degree in Medicine and Surgery
- ♦ Specialist MIR in Family and Community Medicine
- ♦ Expert in Integrative Medicine with focus on homeopathy and oncology support

**Dr. Díaz Díez, Camino**

- ♦ Specialist in Family and Community Medicine
- ♦ Medical coordinator for Blue Healthcare
- ♦ Member of the Spanish Society of General Medicine (SEMERGEN)
- ♦ Member of the Spanish Society of Integrative Health and Medicine (SESMI)
- ♦ Master's Degree in evidence-based Supplements and Nutrition
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid
- ♦ Master's Degree in Environmental Medicine

**Dr. Aldana Martínez, Natalia Sofia**

- ♦ Surgeon
- ♦ Specialist in Alternative Therapies - Traditional Chinese Medicine
- ♦ Researcher in MTCl
- ♦ Research teacher in MTCl, acupuncture and homeopathy





- ◆ Member of the MTCI Américas network
- ◆ General editor for BVS MTCI Américas
- ◆ Master's Degree in Alternative Medicine focused on Homeopathy

**Dr. Sabater Tobella, Juan**

- ◆ President of Eugenicomic
- ◆ Director of the first center in Spain that focuses on researching and diagnosing metabolic diseases: Institute of Clinical Biochemistry-Barcelona
- ◆ Biochemistry Professor at the Faculty of Medicine of the Autonomous University of Barcelona
- ◆ Permanent Member of the Royal Academy of Medicine of Catalonia
- ◆ Corresponding Member of the Royal National Academy of Medicine, of the Institute of Spain
- ◆ President of honor of the Royal Academy of Pharmacies of Catalonia
- ◆ European Specialist in Laboratory Medicine (EC4)
- ◆ Member of the Pharmacogenomics Research Network



# 04

## Structure and Content

TECH has managed to position itself as one of the best online universities in the world with the design of complete, dynamic, modern and comprehensive programs, thanks to which thousands of professionals around the world have managed to improve their skills. This is thanks to the high quality of its syllabus, as well as to the variety of additional multidisciplinary material included, which are shaped by the teaching team following the most innovative and effective pedagogical guidelines. In addition, its convenient online format allows graduates to combine their academic and professional activities, with no rush, no schedules and no face-to-face classes.





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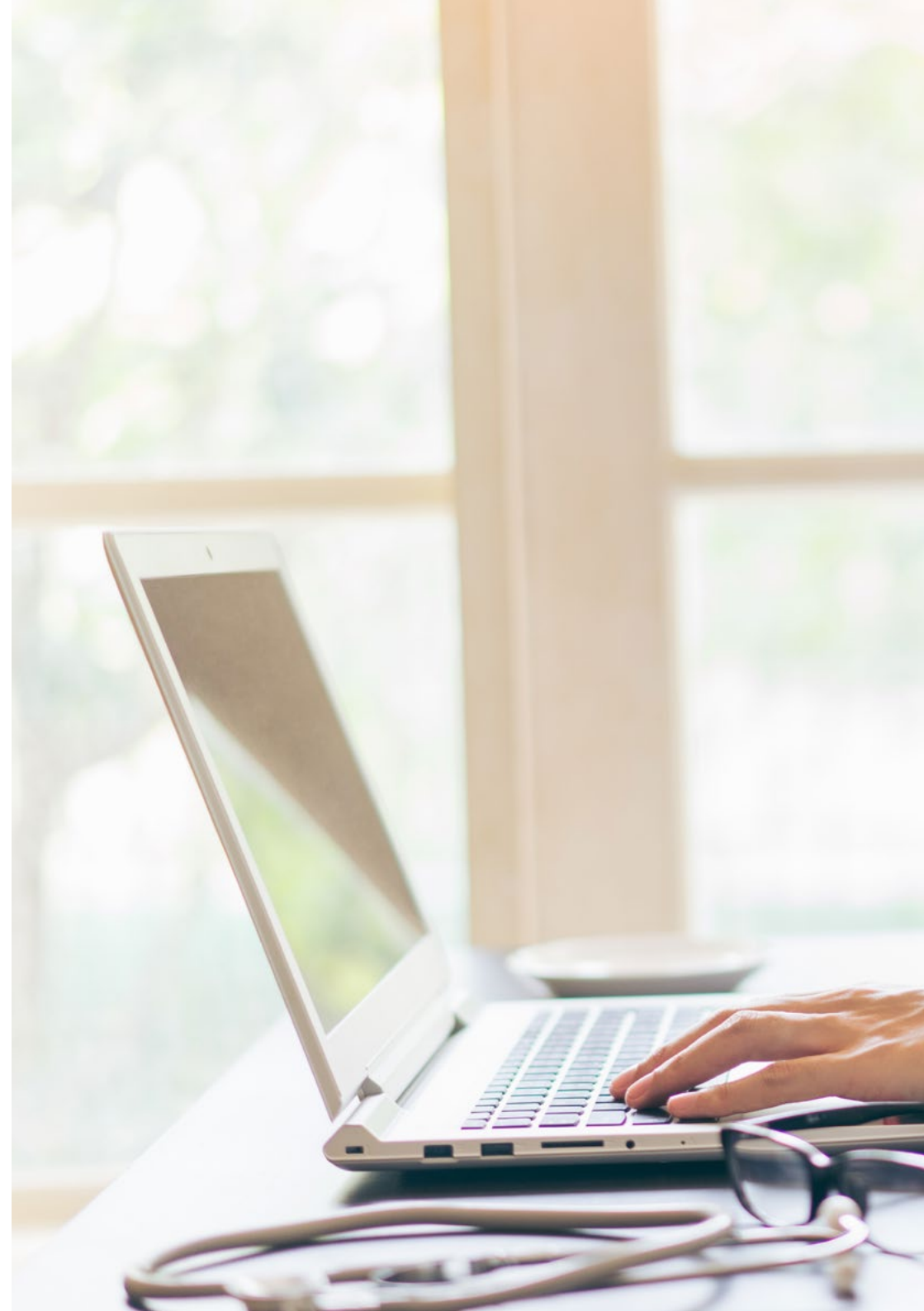
*In the Virtual Campus you will find 500 hours of diverse content: from the syllabus to real clinical cases and multimedia resources to delve deeper into each section of the program"*

### Module 1. Advances in Integrative Medicine Techniques

- 1.1. Platelet Factors
- 1.2. Neural Therapy
- 1.3. Microimmunotherapy
- 1.4. Mycology and Immunomodulation
- 1.5. Ozone Therapy: Clinical Evidence
  - 1.5.1. Biochemical Principles and Ozone Mechanism of Action
- 1.6. Orthomolecular Supplementation, Phytotherapy and Interactions
  - 1.6.1. Phytotherapy
- 1.7. Advances in Integrative Nutrition
  - 1.7.1. Anti-Inflammatory Diet
  - 1.7.2. Ketogenic Diet
  - 1.7.3. Fasting
  - 1.7.4. Diet Therapy to Rebalance Microbiota

### Module 2. Research

- 2.1. Evidence-Based Medicine in Integrative Medicine
- 2.2. Fundamentals of Applied Research in TCAM
- 2.3. Collaborative Work, Networks, and Resources in TCAM Research



### Module 3. Information and Communication Technologies Applied to Integrative Medicine

- 3.1. Use of Biometric Tools
- 3.2. Application of Digital Clinical Self-Questionnaires
- 3.3. Use of Digital Medical History
- 3.4. Platforms and Databases for Health Professionals
- 3.5. Create and Manage Your Own Digital Structure
- 3.6. Positioning: SEO. SEM. Algorithms
- 3.7. Video Consultation
- 3.8. Software Models of Interactions Based on Genomic Medicine

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*If you feel that your clinical practice needs a change and you want to keep up to date with the latest developments, this option is the best choice and TECH is the best guarantee to update you in a guaranteed way”*



05

# Methodology

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

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





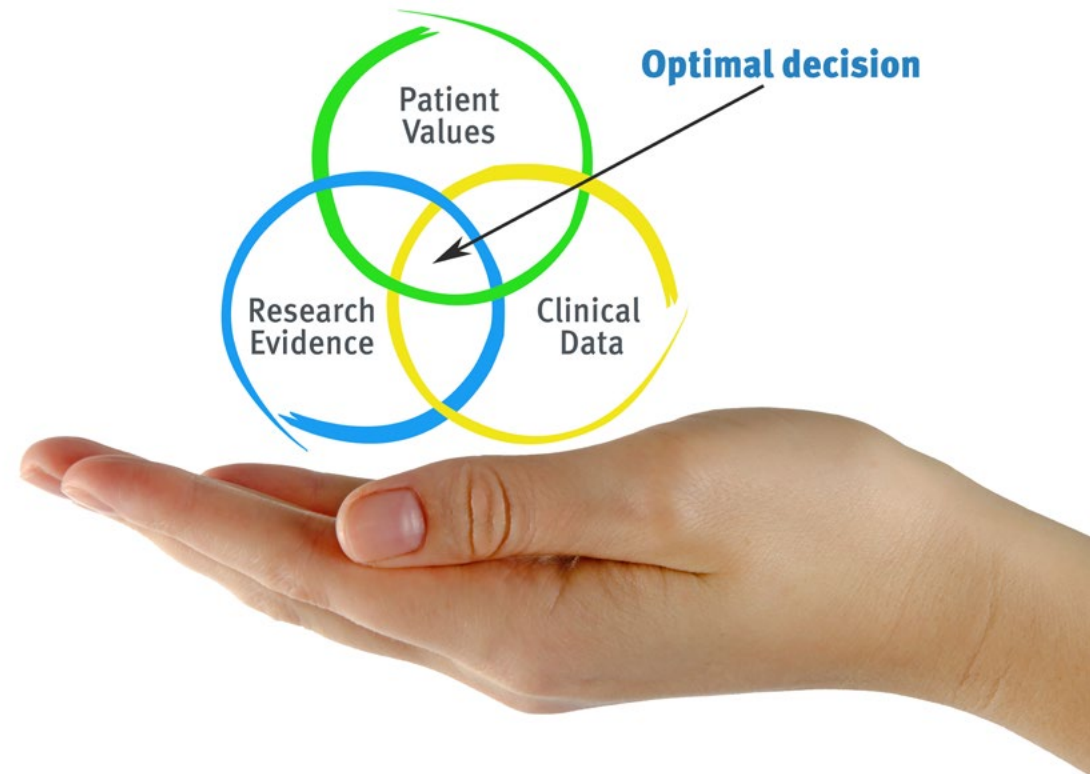
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

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



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.



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

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

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

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



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

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

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

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

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

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

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

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



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





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

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.



# 06 Certificate

The Postgraduate Diploma in Research and ICT in Advanced Integrative Medicine guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Diploma issued by TECH Technological University.



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

This **Postgraduate Diploma in Research and ICT in Advanced Integrative Medicine** contains the most complete and up-to-date scientific program on the market.

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

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

Title: **Postgraduate Diploma in Research and ICT in Advanced Integrative Medicine**

Official N° of hours: **500 h.**



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



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

**tech** technological  
university

**Postgraduate Diploma**  
Research and ICT in Advanced  
Integrative Medicine

Course Modality: Online

Duration: 6 months.

Certificate: TECH Technological University

Official N° of hours: 500 h.

# Postgraduate Diploma

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Integrative Medicine

