Postgraduate Certificate
Information and Communication Technologies in Advanced Integrative Medicine

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Postgraduate Certificate
Information and Communication Technologies Advanced Integrative Medicine

- » Modality: **online**
- » Duration: **6 weeks**
- » Certificate: **TECH Global University**
- » Credits: **8 ECTS**
- » Schedule: **at your own pace**
- » Exams: **online**

Website: **www.techtitute.com/us/medicine/postgraduate-certificate/information-communication-technologies-advanced-integrative-medicine**

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01
Introduction

Information and Communication Technologies have become an irreplaceable ally in medical practice. A concept that is maintained and strengthened in Integrative Medicine, making networking and global communication another approach strategy in this type of medicine.

Integrative medicine is a growing science, already present in the health system of the most medically advanced countries. Through a new type of doctor-patient relationship, active listening and the role of the patient as an agent of his or her own recovery are combined with the proven benefits of complementary medicine in direct synergy with conventional medicine.

Information and Communication Technologies at the service of Integrative Medicine. Discover it with this complete course"

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.

This **Postgraduate Certificate in Information and Communication Technologies in Advanced Integrative Medicine** contains the most complete and up to date scientific program on the market. The most important features of the program include:

- More than 75 clinical cases presented by experts in 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 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 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.

Three months of intensive training that will allow you to apply the latest advances in ICT to your work as a physician"

In just one week you will be able to handle the ICT tools necessary for the efficient use of integrative medicine in your specialty"

An intensive course that will allow you to learn at your own pace and from anywhere, in a totally personalized way.

The most advanced technology in online teaching, with interactive videos that will allow you to learn through real experience.

Its teaching staff is made up of prestigious and renowned Spanish professionals, including experts in the field of integrative medicine and 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 medical 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 Integrative Medicine and Health and other related disciplines with extensive teaching experience.

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.

PD

And furthermore, with marketing strategies applied to this branch of medicine that will place you at the technological forefront in the field of medical communication"
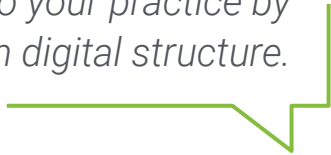
General Objectives

- 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.

- Acquire up to date knowledge of health science professionals in the different 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.

- Encourage the acquisition of technical skills and abilities through an effective multimedia system.

- Encourage Professional stimulation through continuing Education and Research.

Incorporate the advantages of the new computerized systems of digital files and databases into your practice by creating your own digital structure.

Specific Objectives

- Establishing basic digital competencies
- Examine ICT in health care and the health care provider's responsibility to manage increasing amounts of data
- Analyze big data in the context of medical decision making, 'omics and technology.
- Examine the impact of ICT on integrative medicine, predictive analytics and preventive care.
- Examine technological advances in the collection, interpretation, distribution, and tracking of data in health care
- Describe data integrity and security issues
- Analyze and use online systems and wearable devices, and understand the evidence of their varying impact on health outcomes
- Demonstrate ability to perform technology assessment on patients, impact on health behaviors, social relationships, and daily activities
- Use technology in IM to collect data and biometric data, track results

03
Course Management

The course includes in its teaching staff reference specialists in Information and Communication Technologies in Advanced Integrative Medicine, who bring to this training the experience of their work. In addition, other specialists of recognized prestige participate in its design and elaboration, completing the program in an interdisciplinary manner.

Learn from reference professionals, the latest advances in procedures in the field of Information and Communication Technologies in Advanced Integrative Medicine"

Management

Dr. Menassa, Alejandra

- Internal Medicine Physician
- President of the Spanish Society for 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).
- 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
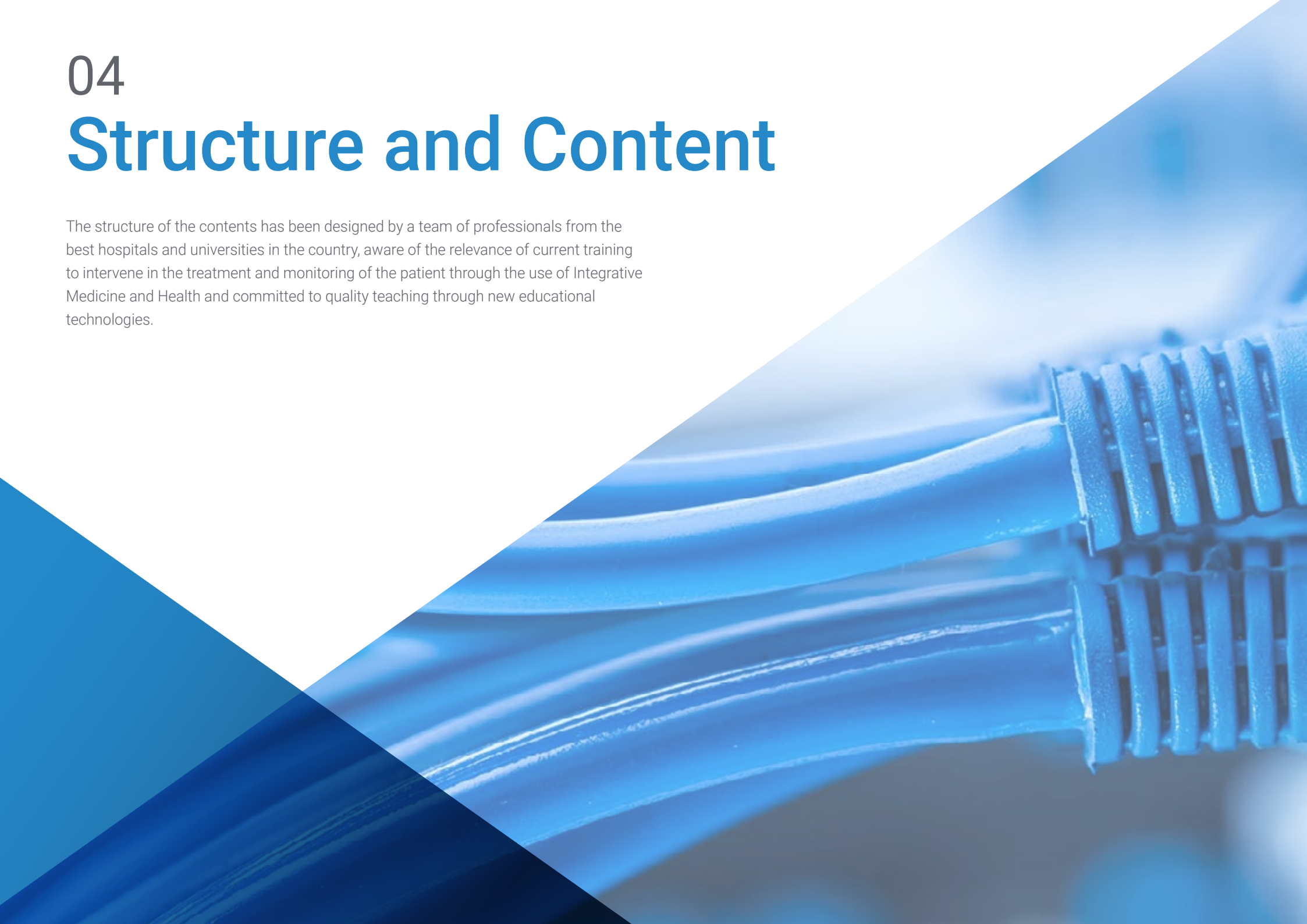
Rodríguez, Pedro

- 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 Biomedical Sc.
- Educational partner of the G-SE international team
- Head of Sanitary Area C.A.I. Alicante City Council
- Board Member of the Spanish Association of Integrative Health and Medicine.
- Member of the Spanish Association of Community Nursing.
- Member of the International Association of Yoga Therapists
- Member of the Expert Team of the European TCM Foundation

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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.
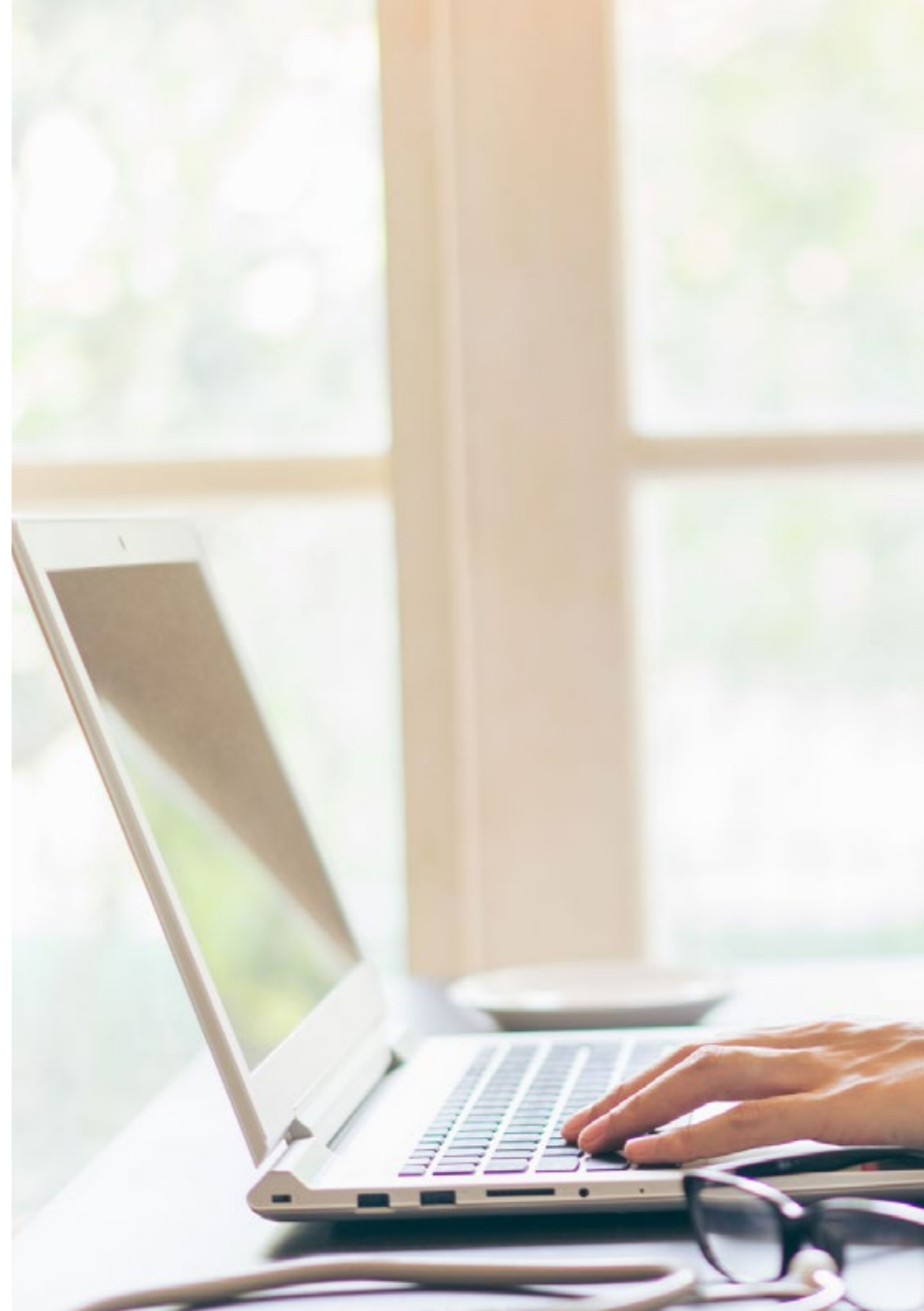
Digital medical records, databases, websites, digital marketing... all the ICT tools at your fingertips with the best online tools on the market"

Module 1. Information and Communication Technologies Applied to Integrative Medicine

1.1 Legal Aspects Related to the Application of ICT in Integrative Medicine.

    1.1.1. GDPR European Regulations 2018.

1.2. Use of Biometric Tools.

    1.2.1. Use and Function of Biometric Tools.

1.3. Application of Digital Clinical Self-Questionnaires.

    1.3.1. Regulations.

    1.3.2. Data Exploitation.

1.4. Use of Digital Medical History.

    1.4.1. Management of Digital Files.

    1.4.2. Structure and Collection of the Digital Medical History.

1.5. Platforms and Databases for Health Professionals.

    1.5.1. Specific Platforms for Healthcare Professionals.

    1.5.2. Databases.

1.6. Create and Manage your Own Digital Structure.

    1.6.1. Related Economic Aspects.

    1.6.2. Web Design and Development.

1.7. Search Engines and Marketing Strategies.

    1.7.1. Positioning:

    1.7.2. SEO.

    1.7.3. SEM.

    1.7.4. Algorithms.

1.8. Video Consultation.

    1.8.1. Positive and Negative Aspects.

    1.8.2. Implementation in Consultation.

1.9. Software Models of Interactions Based on Genomic Medicine.

    1.9.1. Software Models.

    1.9.2. Genomic Medicine and its Interaction with Development Software.

Incorporate all the resources of Complementary Medicine to your training and get the recognition of one of the most prestigious online universities of the moment"

05
Methodology

Our **Postgraduate Certificate in Information and Communication Technologies in Advanced Integrative Medicine** offers you an innovative method to strengthen your clinical skills based on the study of clinical cases and contents in a cyclical way. This method has been the most widely used learning system by the most prestigious medical schools in the world and by major publications such as the *New England Journal of Medicine.*

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.

Optimal decision

Patient Values

Research Evidence

Clinical Data

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 the physician's professional practice.

"

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

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

1. Students who follow this method not only grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.

2. The learning process has a clear focus on practical skills that allow the student to better integrate into the real world.

3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.

4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

Re-Learning Methodology

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

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

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

01 learning from evidence

02 relearning from evidence

03 testing

04 learning from an expert

05 neurocognitive context dependent learning

06 Von-Restorff effect

07 case based learning through storytelling

08 competencies testing (retesting)

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 training, 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.

20%

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.

15%

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

15%

3%

Additional Reading

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

20%

17%

7%

3%

Analysis of cases developed and guided by Courses

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the Course will guide you through the development of attention and the resolution of 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 on the usefulness of third party observation Courses.

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 Information and Communication Technologies in Advanced Integrative Medicine guarantees you, in addition to the most rigorous and up to date training, access to a Course Certificate issued by TECH Global University.

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

This program will allow you to obtain your **Postgraduate Certificate in Information and Communication Technologies in Advanced Integrative Medicine** endorsed by **TECH Global University**, the world's largest online university.

TECH Global University is an official European University publicly recognized by the Government of Andorra (*official bulletin*). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.
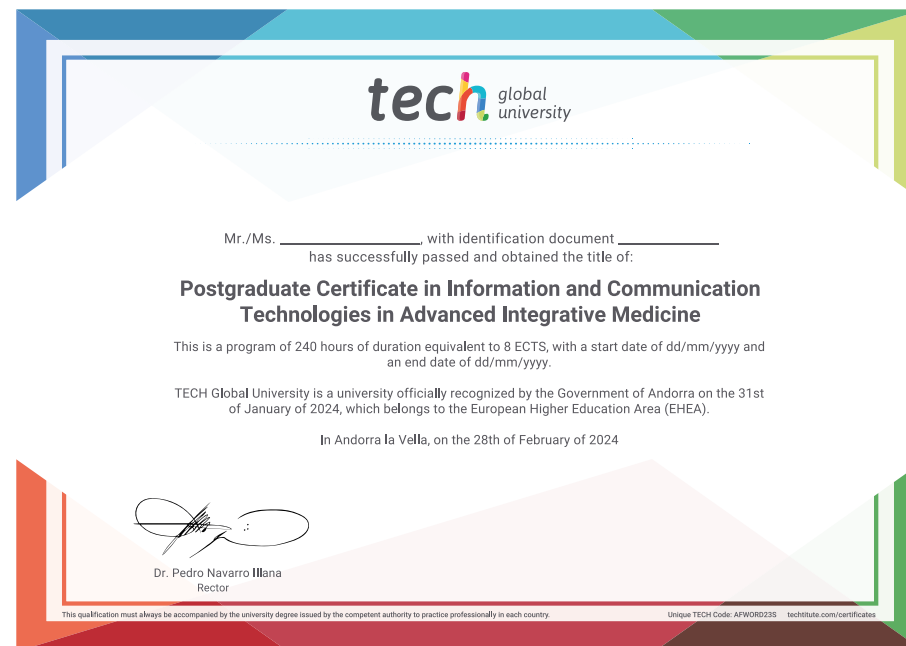
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Information and Communication Technologies in Advanced Integrative Medicine**

Modality: **online**

Duration: **6 weeks**

Accreditation: **8 ECTS**

tec**h** global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Information and Communication Technologies in Advanced Integrative Medicine

This is a program of 240 hours of duration equivalent to 8 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.   Unique TECH Code: AFWORD23S   techtitute.com/certificates

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

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