



Postgraduate Diploma

Advanced Techniques in Aesthetic Medicine

» Modality: online

» Duration: 6 months

» Certificate: TECH Global University

» Credits: 18 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-advanced-techniques-aesthetic-medicine

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tech 06 | Introduction

Aesthetic Medicine is one of the most demanded clinical areas, especially in terms of private assistance. And among the most frequent causes of consultation is, above all, aging. Advances in science have made it possible to develop clinical strategies that are frankly effective in alleviating the effects of aging (anti-wrinkle treatments, muscle tightening, preventive therapies, etc.). For that reason, every year millions of people come to the consultation of these specialists seeking guidance to restore skin elasticity and smoothness. But this area goes beyond that, as it also helps to treat dermatological problems such as acne, Rosacea or Dermatitis.

And taking as a reference the continuous development of science based on the increasingly intimate knowledge of the human body and its physiology, TECH Global University has designed this Postgraduate Diploma in Advanced Techniques in Aesthetic Medicine. This is an avant-garde and dynamic Postgraduate Diploma in which the practitioner will find the latest developments related to the management of aging and other relevant issues to be taken into account in a consultation as a specialist in this area. They will also work with the most innovative treatments of botulinum toxin injection, as well as tensor threads and other collagen-inducing materials.

All this through 450 hours of the best theoretical, practical and additional content presented in a convenient and Flexible 100% online format In addition to the syllabus, the graduate will have access to real clinical cases and detailed videos, research articles, complementary readings, dynamic summaries, self-knowledge exercises and much more! You will be able to access the virtual campus from any device with an internet connection, whether it is a Tablet, PC or cell phone. That will be able to students will be able to update their knowledge, without having to worry about face-to-face classes or fixed schedules.

This **Postgraduate Diploma in Advanced Techniques in Aesthetic 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 Aesthetic Medicine
- 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



A modern, rigorous and multidisciplinary degree through which you will be able to get up to date with the collagen inducing materials that are having the best results in the approach of different consultations"



You will work on the knowledge of the most advanced, innovative and painless techniques for the injection of different toxins in different parts of the body to be treated"

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.

Its 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 an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.

Delve deeper into the valuation of aging by updating your knowledge related to the valuation scales.

You will have 450 hours of the best theoretical, practical and additional content at your disposal to expand each of the sections of the syllabus according to your total and demand.







tech 10 | Objectives



General Objectives

- Provide the specialist with the most innovative material to delve into the latest developments in the treatment of aging through the best techniques and therapeutics of Aesthetic Medicine
- Develop a wide and updated knowledge on the advanced techniques of botulinum toxin injection in a space of maximum safety for the patient



If your goals include mastering the advances in the treatment of Bruxism and Hyperhidrosis, this Postgraduate Diploma is perfect for you"





Specific Objectives

Module 1. Aging and other relevant issues to consider in a practice as an aesthetic physician

- Review in depth how Aesthetic Medicine began
- Update the physician's knowledge of easy anatomy and anatomical risk areas
- Update on methods of identifying a harmonious face
- Have updated dermatology basics (know skin layers, semiology of the face and characteristics of the skin with appropriate instruments)
- Know in a deep and updated way the main skin alterations (Acne, Rosacea, Hirsutism, Hyperhidrosis, Dyschromia)
- Delve into the most innovative protocols to act in emergency situations in the Aesthetic Medicine office: anaphylaxis, CRA, epileptic crisis, etc
- Know in depth the novelties related to anesthesia used in Aesthetic Medicine: topical, local, etc.
- Delve into basic medical-legal aspects: medical history, data protection, permission for publications in social networks, liability insurance

Module 2. Advanced Techniques of Botulinum Toxin Injection

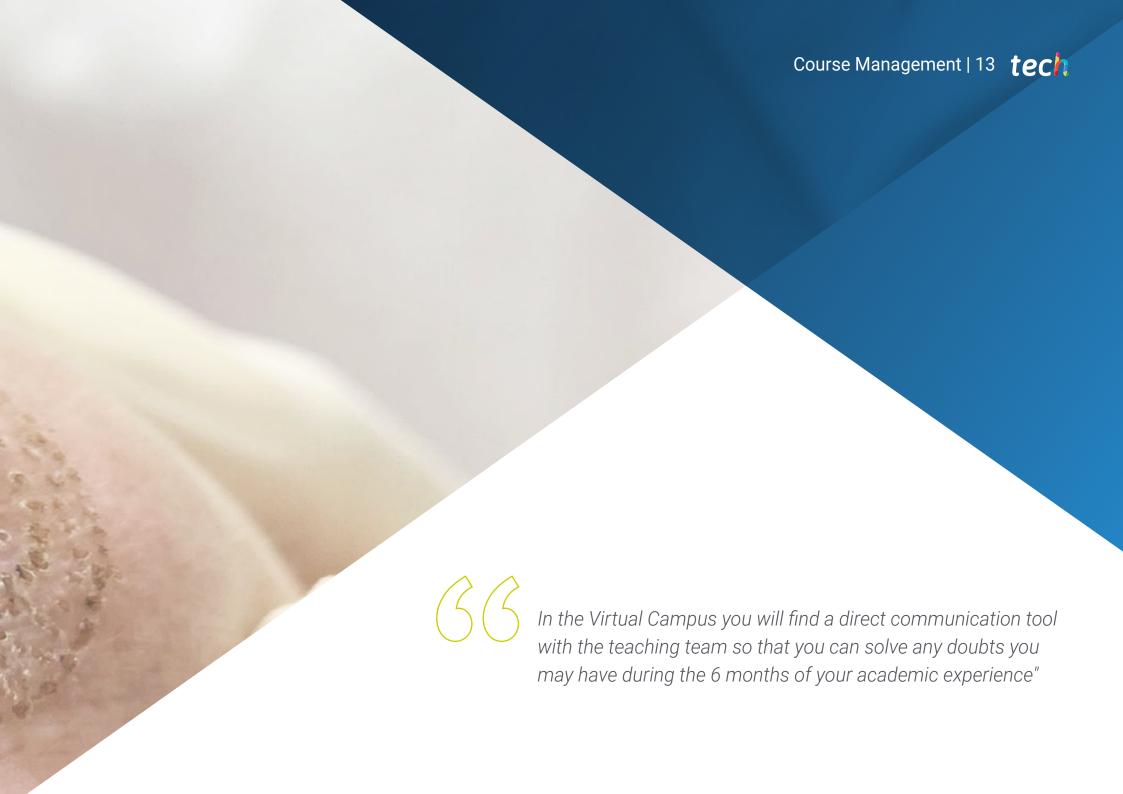
- Update the physician's knowledge in relation to Botulinum Toxin
- Update in the treatment of the upper third, that is to say, the most demanded treatment in the Aesthetic Medicine office: wrinkles
- Deepen in other advanced techniques: gummy smile correction and treatment of bruxism

- Keep in mind the most frequent adverse effects and know how to deal with them
- Be updated on the trade names of botulinum toxins type A
- Learn how to reconstitute the toxin and how to preserve it based on current methods
- Know in depth the most innovative post-treatment recommendations to indicate them to each patient

Module 3. Tightening threads and other collagen-inducing materials

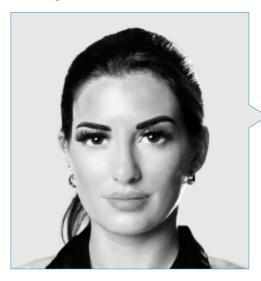
- Get a thorough up-to-date on the types of collagen-stimulating products
- Be up-to-date on the mechanisms of action and their possible adverse effects
- Acquire an exhaustive and innovative knowledge of thread tightening (mechanism
 of action of thread tightening, indications; complications and their solutions)





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Management



Dr. Ruiz Allende, Alba María

- Medical Director of Aesthetic Medicine of the Clínica Londres Group.
- Director of the Department of Aesthetic Medicine in the IMEMA Clinic.
- Aesthetic medicine workshops trainer
- University professor at the CEU and UCAM
- Professor of MIR preparation at CTO
- Clinical researcher and editor of the magazine Emergency Live
- Residency in the specialty of Family, Community and Emergency Medicine at the Hospital Clínico San Carlos
- Master in Aesthetic Medicine and Nutrition at the Catholic University San Antonio of Murcia.
- Master's Degree in Business Management from the Catholic University San Antonio of Murcia.
- Master's Degree in Clinical Bioethics from UIMP

Professors

Dr. Plaza Narvaiza, Mónica

- Degree in Human Nutrition and Dietetics from the University of Navarra
- Master Health Coach and Holistic Nutrition by the Institute of Integrative Nutrition
- Postgraduate Degree in Oncological Nutrition from the University of Barcelona
- * Advanced Clinical Nutrition Course by the Institute of Nutrition and Health Sciences

Dr. García Mares, Alfredo

- * Specialist in Dermatology at the Hospital Clínico San Carlos de Madrid
- Graduate of Medicine and Surgery from the Universitatd of Valencia

Dr. Muñiz Sánchez, Gabriel

- Specialist in Family Medicine
- Sanitary Illustrator
- Scientific disseminator

Dr. Merayo López, Delia

- Physician at the Hemodialysis Unit of the Red Cross of Oviedo
- Degree in Medicine and Surgery in the University of Cantabria
- * Master's Degree in SEMES Emergencies and Emergencies, Francisco University of Vitoria

Dr. León, Antonio

- Aesthetic Physician and Capillary Surgeon
- * Specialist in Clinical Pharmacology at the Clinical Hospital San Carlos de Madrid
- Specialist in Advanced Aesthetic Medicine and Hair Surgery
- Teacher in the Professional Master's Degree from Ethics at the Complutense University of Madrid
- Practical teacher from the Department of Pharmacology of the Medicine Faculty at the Complutense University of Madrid
- Tutor in the International Master's Degree in Hair Transplant with FUE technique at the UCAM
- * Rotation at the Spanish Agency of Medicines and Health Products
- Master's Degree in Clinical Medicine from the Camilo José Cela University
- * Master's Degree in Aesthetic Medicine, Universidad Rey Juan Carlos, Madrid
- International Master's Degree in Hair Transplant with FUE technique at the UCAM
- Postgraduate Diploma in Clinical Toxicology from the Universitat of Barcelona

Dr. Sirgo Martínez, Ana

- * Dermatology Specialist at the Hospital Clínico San Carlos de Madrid
- Practice Teaching collaborator at La UCM
- Aspiring member of the Spanish Academy of Dermatology
- * Speaker at AEDV2022 with a poster focused on Neonatal Pediatric Dermatology
- Postgraduate Certificate in Medicine and Surgery in the University of Oviedo

Dr. Valenzuela Luque, Alejandro

- * Specialist in Family and Community Medicine
- Degree in Medicine from the Faculty of Medicine and Nursing of Cordoba
- * Specialist in Family and Community Medicine at the Ramón y Cajal Hospital (Madrid)
- Master's Degree in Esthetic Medicine human nutrition and AntiAging

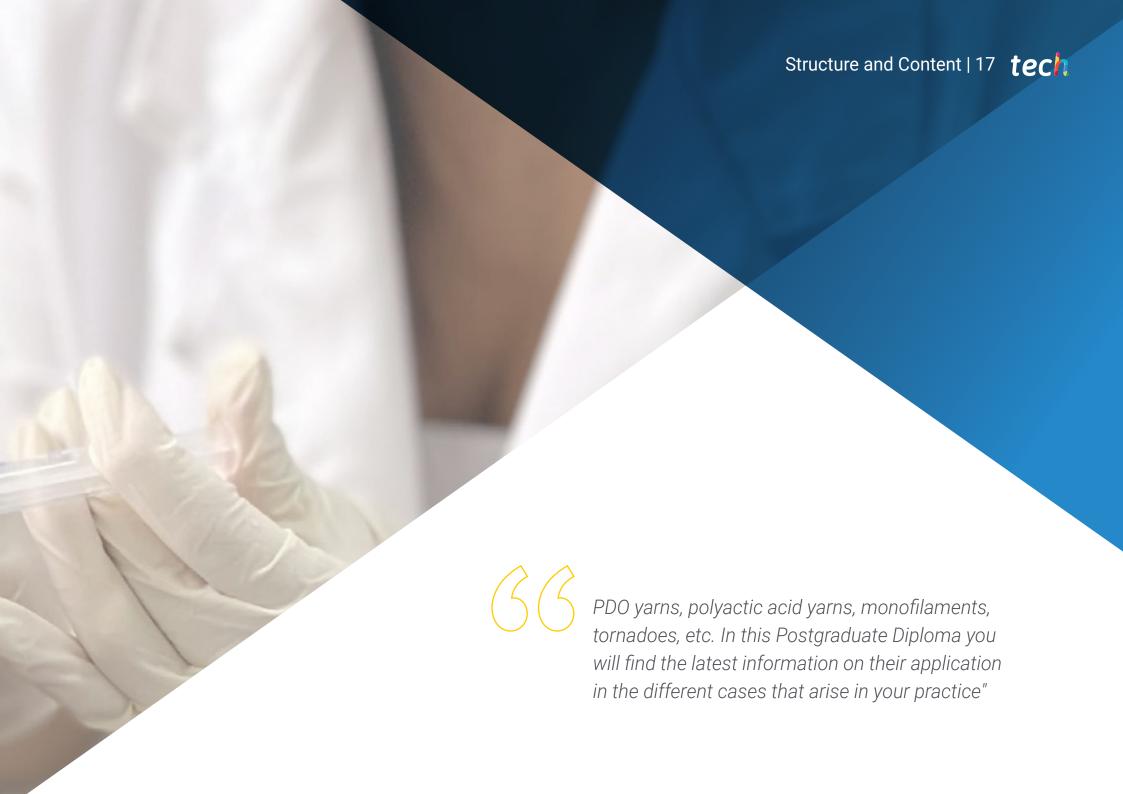
Dr. Moreno Borque, Ricardo

- Dermatology Specialist Medical-Surgical Nursing Doctor at the Hospital Clínico San Carlos de Madrid
- * Specialist in Allergology and Clinical Immunology
- Honorary Professors at Rey Juan Carlos University
- * Author of several articles Scientific in national and international journals
- PhD in Medicine from the University of Alcalá de Henares

Dr. Cova Medina, Ana

- Intern in the area of Occupational Medicine, Hospital Clínico Universitario San Cecilio de Granada
- * Medical Degree, Universidad de Oriente, Anzoátegui, Venezuela
- Metabolic Syndrome and Obesity Expert, CTO Academy
- Ambassador, CTO Latin America Academy
- MIR Preparation Course, CTO Academy
- SVI/ACLS Provider, Immediate Cardiovascular Support, European Resuscitation Council
- Physician, Depilife, Buenos Aires, Argentina
- General Doctor, Organización Hebrea Argentina Macabi, Buenos Aires, Argentina
- * Emergency Doctor, Policlínica Puerto La Cruz, Anzoátegui, Venezuela





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Module 1. Aging and other relevant issues to consider in a practice as an aesthetic physician

- 1.1. Anatomical changes that occur During Aging
 - 1.1.1. Changes to the ligaments, muscles and skin according to patient age and the
 - 1.1.2. Current aging theories (molecular theory, oxidative stress)
 - 1.1.3. Telomeric shortening (new). Genes associated with longevity and ageing
- 1.2. How do we value aging?
 - 1.2.1. Aging Degrees
 - 1.2.2. scales to evaluate ageing
 - 1.2.3. Diagnostic imaging methods (role of ultrasound)
- 1.3. External factors involved in microclimate and make it aging
 - 1.3.1. Sun damage
 - 1.3.2. Tobacco Use
 - 1.3.3. Dietary habits
 - 1.3.4. Physical exercise
- 1.4. Dermatological problems treatable in Aesthetic Medicine
 - 1.4.1. Acne
 - 1.4.2. Melasma
 - 1.4.3. Couperosis
 - 1.4.4. Rosacea
 - 1.4.5. Atopic Skin
 - 1.4.6. Seborrheic Dermatitis
 - 1.4.7. Hyperhydrosis
 - 1.4.8. Discromias
 - 1.4.9. Keloid and hypertrophic scars (use of TRIGON)

- 1.5. Infections in Aesthetic Medicine
 - 1.5.1. Infection Prevention
 - 1.5.2. Diagnosis of common infections. Labial herpes
 - 1.5.3. Treatment of post-treatment infections
 - 1.5.4. Allergic reactions and skin intolerances in the Aesthetic Medicine practice
 - 1.5.5. Most common allergic reactions
 - 1.5.6. Prevention
 - 1.5.7. Treatment
- 1.6. Anesthesia used in Aesthetic Medicine. How do we anesthetize in Aesthetic Medicine?
 - 1.6.1. Types of anesthesia: topical, local, loco-regional
 - 1.6.2. Anesthetics most commonly used in Aesthetic Medicine
 - 1.6.3. Undesired effects of anesthesia in aesthetic medicine
- 1.7. Mode of action when vascular occlusion is suspected
 - 1.7.1. Facial anatomical areas most at risk
 - 1.7.2. Most frequent vascular occlusion
 - 1.7.3. Signs and symptoms of vascular occlusion
 - 1.7.4. The role of filler antidotes. Hyaluronidase
- 1.8. Mode of action in urgent situations in Aesthetic Medicine
 - 1.8.1. How to act in case of CPR. (CPR chain)
 - 1.8.2. How to act in an anxiety crisis
 - 1.8.3. How to act in case of hypoglycemia
 - 1.8.4. How to act in the event of an epileptic seizure
 - 1.8.5. How to act in the event of excessive bleeding (Amchafibrin)
- 1.9. Identification of patients with mental disorders
 - 1.9.1. Most frequent psychiatric problems among Aesthetic Medicine users
 - 1.9.2. Identification of patients with ED
 - 1.9.3. Identification of patients with BPD
 - 1.9.4. Identification of patients with depressive traits



Structure and Content | 19 tech

Module 2. Advanced Techniques of Botulinum Toxin Injection

- 2.1. Botulinum Toxins Authorized for Esthetic Use
 - 2.1.1. What is Botulinum Toxin
 - 2.1.2. Mechanism of Action
 - 2.1.3. Trade Names of Botulinum Toxins Type A
 - 2.1.4. Toxins Authorized for Esthetic Use
 - 2.1.5. Toxins authorized for other medical conditions
- 2.2. Most frequent indications of Botulinum Toxin in Aesthetic Medicine: treatment of expression wrinkles
 - 2.2.1. Indications for Treatment on Forehead Wrinkles
 - 2.2.2. Indications for wrinkles treatment of the frown line/glabella
 - 2.2.3. Indications for treatment of periocular wrinkles
- 2.3. Others Indications for Botulinum Toxin in Esthetic Medicine
 - 2.3.1. Indications for treatment of eyebrows/eyebrow lifting
 - 2.3.2. Indications for treatment of the suborbital region and nose (bunny lines)
 - 2.3.3. Indications Treatment of Vertical Upper Lip Wrinkles code of)
 - 2.3.4. Indications for treatment of the corners of the mouth/marionette lines
 - 2.3.5. Indications for the treatment of chin wrinkles
 - 2.3.6. Indications for treatment of neck wrinkles (platysma muscle)
- 2.4. Bruxism: masseter hypertrophy
 - 2.4.1. What is Bruxism
 - 2.4.2. Treatment of Bruxism with Botulinum Toxin. Technique
 - 2.4.3. Results and Duration
- 2.5. Treatment of Hyperhidrosis with Botulinum Toxin
 - 2.5.1. What is Hyperhidrosis
 - 2.5.2. Types of hyperhidrosis: axillary, palmar and plantar
 - 2.5.3. Treatments currently available for Hyperhidrosis
 - 2.5.4. Botulinum Toxin in Hyperhidrosis. Infiltrative Technique
 - 2.5.5. Results and Duration of Botulinum Toxin in Hyperhidrosis

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- 2.6. Treatment of Gingival Smile with Botulinum Toxin
 - 2.6.1. What is the Gingival Smile
 - 2.6.2. Treatments currently available for Gingival Smile
 - 2.6.3. Botulinum Toxin in Gingival Smile. Infiltrative Technique
 - 2.6.4. Results and Duration of Botulinum Toxin in Gingival Smile
- 2.7. Complications from Botulinum Toxin Application
 - 2.7.1. What are the most frequent unwanted effects of Botulinum Toxin?
 - 2.7.2. Most frequent side effects when Botulinum Toxin is applied in the upper third (eyelid ptosis, Mephisto eyebrows, smile affectation)
 - 2.7.3. What solutions are available to reverse the undesired effect (electrostimulation)?
 - 2.7.4. How to try to prevent these undesired effects
- 2.8. Toxin reconstitution (preparation) and preservation of toxin
 - 2.8.1. Do all toxins require refrigeration?
 - 2.8.2. Do all toxins need to be reconstituted?
 - 2.8.3. Toxin dilution according to the treatment to be performed
- 2.9. Post-Treatment Recommendations
 - 2.9.1. General recommendations to our patients after Botulinum Toxin treatment
 - 2.9.2. Botulinum toxin and heat
 - 2.9.3. Botulinum Toxin and Physical Exercise
- 2.10. Durability of Botulinum Toxin
 - 2.10.1. All toxins (brands) have the same effect and duration
 - 2.10.2. Factors Influencing the duration of Botulinum Toxin
 - 2.10.3. Patients resistant to toxin treatment. Antibody theory



Module 3. Tightening threads and other collagen-inducing materials

- 3.1. Collagen-inducing materials
 - 3.1.1. Classification
 - 3.1.2. Mode of execution
 - 3.1.3. Results for each of them
- 3.2. Thread tightening for the face
 - 3.2.1. What are the tensor threads
 - 3.2.2. Classification
 - 3.2.3. How they act
 - 3.2.4. Results
- 3.3. PDO (polydioxanone) threads
 - 3.3.1. Types
 - 3.3.2. How they act
 - 3.3.3. Durability
- 3.4. Poly Lactic acid threads (PLL)
 - 3.4.1. Types
 - 3.4.2. How they act
 - 3.4.3. Durability
- 3.5. Monofilament threads
 - 3.5.1. Indications
 - 3.5.2. How they act
 - 3.5.3. Durability
- 3.6. Tornado (screw) threads
 - 3.6.1. Indications
 - 3.6.2. How they act
 - 3.6.3. Durability
- 3.7. Spiculated tensor threads
 - 3.7.1. Indications
 - 3.7.2. How they act
 - 3.7.3. Durability

- 3.8. APTOS Threads
 - 3.8.1. Types
 - 3.8.2. How they act
 - 3.8.3. Durability
- 3.9. Specific indications of the tensor threads
 - 3.9.1. Eyebrow lift (foxy eyes)
 - 3.9.2. Diffusion of nasolabial folds
 - 3.9.3. Lifting of the lower face (cocochas)
- 3.10. Complications of thread tightening
 - 3.10.1. Most Frequent-Surgical Complications
 - 3.10.2. Contraindications for the use of tensor threads
 - 3.10.3. Possible solutions to complications



Chin and neck wrinkles at the corner of the mouth... Choose a Postgraduate Diploma like this one, which allows you to get up to date with the most effective treatments from wherever you want and whenever you want: at your own pace and without demands"





tech 24 | Methodology

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.



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:

- 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.



Methodology | 27 tech

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.

tech 28 | Methodology

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.









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This program will allow you to obtain your **Postgraduate Diploma in Advanced Techniques in Aesthetic 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 Diploma in Advanced Techniques in Aesthetic Medicine

Modality: online

Duration: 6 months

Accreditation: 18 ECTS



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

Postgraduate Diploma in Advanced Techniques in Aesthetic Medicine

This is a program of 450 hours of duration equivalent to 18 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



^{*}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.

tech global university



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