Master's Degree
Aesthetic Medicine

tech global university

tech global university

Master's Degree
Aesthetic Medicine

- Modality: **online**
- Duration: **12 months**
- Certificate: **TECH Global University**
- Credits: **60 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: www.techtitute.com/us/medicine/master-degree/master-aesthetic-medicine

Index

01

Introduction

Aesthetic Medicine is one of the most booming sectors in recent years. More and more patients are turning to a specialist to solve their aesthetic problems, combat aging, and improve their quality of life. The growing social demand has led to great advances in technologies, materials, and treatments, increasing the possibilities that can be offered from the medical approach to a population that is increasingly interested in the most cutting-edge techniques.

This Master's Degree is the most complete and effective academic program on the educational market.
A highly specialized program that will allow you to become one of the most up-to-date professionals in the sector.

Nowadays, image has become so important that this Master's Degree is a safe bet, with a market that is continuously growing and is full of possibilities"

The aging process represents a combination of intrinsic factors, such as tissue atrophy, and extrinsic factors, such as solar radiation or gravity.

Understanding the biology of aging is crucial to understanding the approach to all the processes involved in Aesthetic, Regenerative, and Anti-Aging Medicine. Identifying these biological changes of aging, analyzing genes and the functions of diagnostic methods contribute to the immersion across disciplines and areas of expertise.

The Master's Degree in Aesthetic Medicine is a postgraduate course designed for students to acquire new scientific skills and to provide physicians with the knowledge required to implement specialization in their professional life. It brings an added balance to working life and opens a door to a growing demand for healthcare.

Unlike other programs, it offers comprehensive, in-depth, and focused training in each fundamental area of Aesthetic Medicine with the objective of restoring, improving, beautifying, and perfecting the physical appearance, as well as prolonging patients' lives, improving their quality of life, and controlling, delaying, and even preventing the loss of physical and mental functions. And, consequently, prevent the development of diseases related to aging, loss of youth, and vitality by applying the new concepts of Aesthetic Medicine. All this for a better prescription and optimization of results of anti-aging treatments, applying knowledge from the different related specialties.

It also includes an approach to business communication, an indispensable tool in today's working life.

This Master's Degree offers an intensive program, designed to learn about the technologies, materials, and treatments used in this discipline and to include a complete perspective of Aesthetic Medicine that will allow you to specialize in an ethical and responsible way. With this postgraduate course you will obtain highly specialized training, which strives for excellence, and is based on a scientific method to obtain accreditation as an aesthetic practitioner.

This **Master's Degree 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 development
- Latest developments in Aesthetic Medicine
- Practical exercises where the self-assessment process can be carried out to improve learning
- Special emphasis on innovative methodologies in Aesthetic Medicine
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection work
- Content that is accessible from any fixed or portable device with an internet connection

You will obtain a comprehensive and focused knowledge of each fundamental area of Aesthetic Medicine"

This Master's Degree will be your best investment when selecting a refresher program: in addition to updating your knowledge in Aesthetic Medicine, you will obtain a qualification endorsed by TECH Global University"

You will obtain comprehensive and focused knowledge of each fundamental area of Aesthetic and Anti-Aging Medicine.

100% online methodology that will allow you to balance your studies and your professional life, supported by the best teaching material and virtual classes.

The teaching staff includes professionals from the field of Aesthetic Medicine, who bring their experience to this 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 physician must try to solve the different professional practice situations that arise throughout the program. For this purpose, the professor will be assisted by an innovative interactive video system created by renowned and experienced experts in the field of Aesthetic Medicine.

02

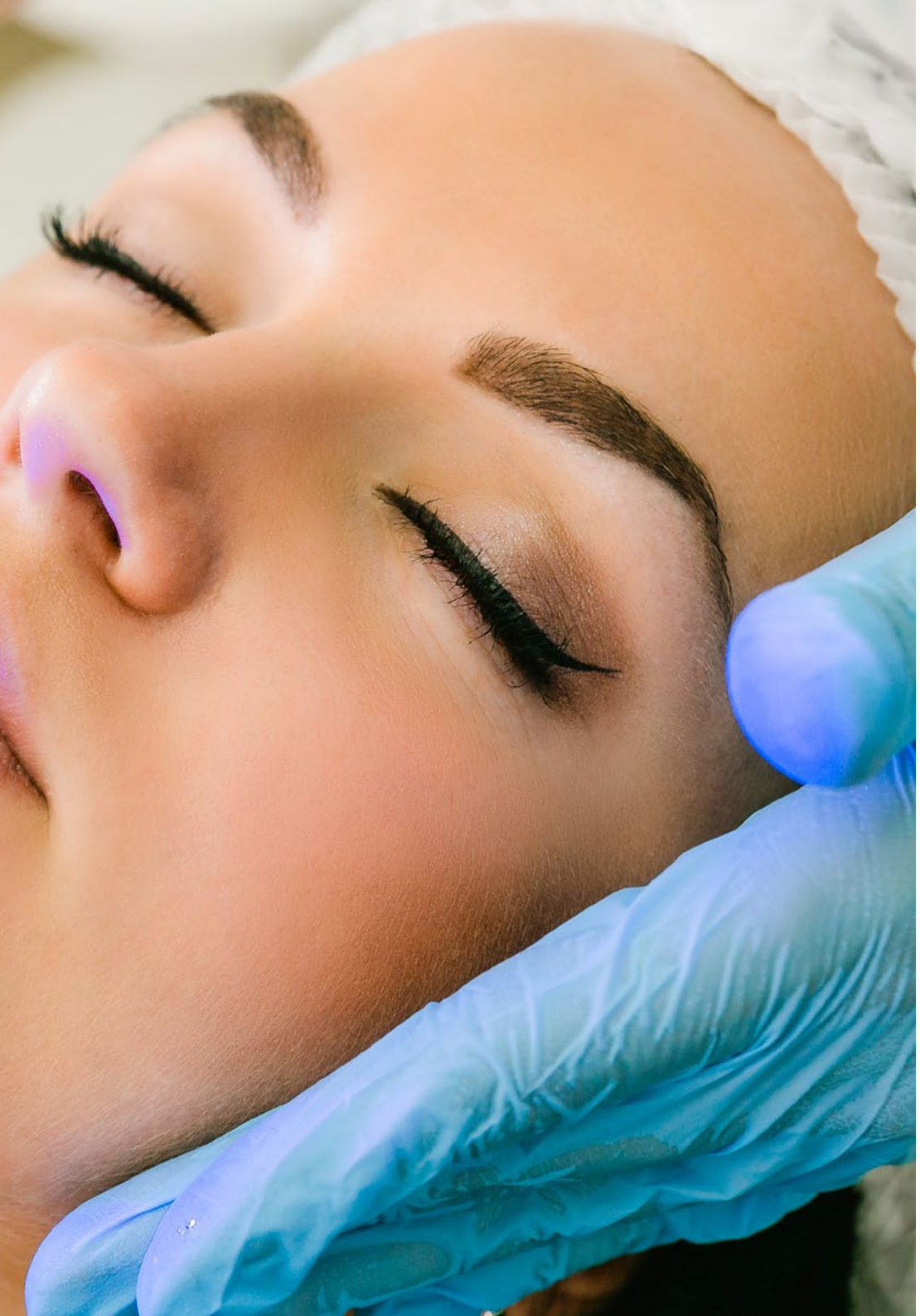
Objectives

The Master's Degree in Aesthetic Medicine is aimed at facilitating the professional's performance with the latest advances and most innovative treatments in the sector.

It ensures thorough management of the aesthetic patient, making an accurate diagnosis and applying the most appropriate treatment, always with the latest techniques on the market"

General objectives

- Develop skills to apply advanced techniques in Aesthetic Medicine, addressing facial and body procedures with high standards of quality and safety
- Acquire skills to design personalized treatments, taking into account the individual needs of each patient and guaranteeing natural and effective results
- Get trained in the use of innovative technologies in Aesthetic Medicine, such as lasers, ultrasound and state-of-the-art equipment to optimize procedures
- Develop the ability to make accurate aesthetic diagnoses and plan interventions according to the characteristics and objectives of patients
- Acquire knowledge about the management of Aesthetic Medicine clinics, including administrative, legal and customer service aspects
- Develop the ability to apply non-invasive techniques such as botulinum toxins and dermal fillers to improve the appearance of the skin in a safe and effective manner
- Improve competencies in the management of multidisciplinary teams in the field of aesthetic medicine, promoting an environment of collaboration and constant learning
- Delve into the management of treatments for facial, body and hair rejuvenation, using innovative approaches and adapted to current trends
- Develop an ethical and professional understanding of aesthetic medicine, ensuring that all procedures are performed with respect and responsibility towards patients
- Encourage the ability to research and continuous updating, allowing to keep up to date with the advances and trends in the Aesthetic Medicine industry



Specific objectives

Module 1. Basic Principals of Aesthetic Medicine

- Understand the fundamentals and principles of Aesthetic Medicine
- Analyze the main non-invasive techniques used in modern aesthetics
- Identify the ethical and legal requirements in the practice of Aesthetic Medicine
- Acquire knowledge of facial and body anatomy applied to aesthetic procedures

Module 2. Peels and Dermocosmetics

- Study the types of peels and their applications on different types of skin
- Understand the principles of dermocosmetics and its relationship with Aesthetic Medicine
- Identify the appropriate protocols for the application of chemical and mechanical peels
- Evaluate the results of dermocosmetic treatments according to the patient's needs

Module 3. Applications of Botulinum Toxin in Dermatology and Aesthetics. Regenerative Medicine for Aesthetic Purposes

- Analyze the mechanisms of action of botulinum toxin in aesthetic procedures
- Identify the indications and contraindications of botulinum toxin in aesthetic procedures
- Study the applications of regenerative medicine in the aesthetic improvement of the skin
- Develop skills to plan and perform botulinum toxin treatments in facial and body areas

Module 4. Facial Implants in Aesthetics

- Understand the different types of facial implants and their specific applications
- Evaluate the risks and benefits of facial implants in aesthetic procedures
- Develop skills to select the appropriate implant according to the type of intervention
- Understand surgical and minimally invasive techniques in the placement of facial implants

Module 5. Aesthetic and Regenerative Gynecology

- Identify the aesthetic and regenerative treatments applied to gynecology
- Study the techniques used for aesthetic and functional improvement of the female intimate area
- Understand the emotional and psychological implications of aesthetic gynecologic treatments
- Assess therapeutic and regenerative options in aesthetic gynecology

Module 6. Laser and Light Sources in Aesthetic Medicine

- Understand the physical principles of lasers and light sources used in Aesthetic Medicine
- Identify the different types of lasers and their application in aesthetic treatments
- Develop skills to select the appropriate technology according to the patient's needs
- Assess the results and risks of laser treatments and light sources

Module 7. Phlebology and Lymphatic Disorders. Body Aesthetics

- Get to know the main phlebological and lymphatic conditions that affect body aesthetics
- Study the aesthetic treatments for the improvement of circulation and lymphatic drainage
- Identify appropriate procedures to treat varicose veins, cellulite and other body aesthetic problems
- Develop skills to integrate aesthetic and therapeutic techniques for body improvement

Module 8. Trichology and Hair Transplantation

- Understand the basic principles of trichology and its relationship with Aesthetic Medicine
- Study the techniques and procedures used in hair transplantation
- Identify the types of alopecia and their most effective treatments
- Develop practical skills to perform hair transplant procedures effectively

Module 9. Communication

- Develop effective communication skills with patients in the aesthetic context
- Study the techniques of expectation management and conflict resolution in Aesthetic Medicine
- Understand the importance of visual communication in the presentation of results
- Identify strategies to promote clear and professional communication in all phases of treatment

Module 10. Genetics and Epigenetics of Systemic and Skin Anti-Aging. Therapeutic Implications

- Understand the genetic and epigenetic mechanisms related to aging
- Study the therapeutic implications in the treatment of cutaneous and systemic aging
- Identify the practical applications of genetics and epigenetics in Aesthetic Medicine
- Develop personalized strategies to combat the signs of aging using genetics-based approaches

Make the most of this opportunity and take the step to get up to date on the latest developments in Aesthetic Medicine"

03

Skills

After passing the assessments of the Master's Degree in Aesthetic Medicine, the professional will have acquired the skills required for quality and up-to-date practice based on the most innovative teaching methodology.

Learn the most commonly used skin rejuvenation techniques in the Aesthetic Medicine sector"

General Skills

- Apply the latest anti-aging techniques, as well as the most demanded aesthetic treatments
- Prevent, delay, and control aging processes in patients

A unique specialization program that will enable you to acquire superior training for development in this field"

Specific Skills

- Identify the biological changes of aging in order to be able to use the necessary treatments for its prevention
- Use of ultrasound in the field of aesthetic-medical treatments
- Correctly use the different types of *peels* in the treatment of rejuvenation and certain skin disorders in an effective manner
- Know the possible adverse effects of *peeling* and their treatment, communicate them to patients and be prepared for any possible setbacks
- Apply the different types of lasers and light sources in the treatment of skin rejuvenation and skin disorders in an effective way
- Be able to correctly apply the authorized botulinum toxin
- Know and understand the process of tissue regeneration by means of growth factors
- Apply the most appropriate skin filler materials in every case in order to encourage rejuvenation in patients
- Treat physical changes in women after childbirth, menopause or an oncological process for example
- Perform appropriate diagnostics on hair loss using the most advanced technologies in this field
- Help to prevent and treat alopecia
- Be able to diagnose the main clinical presentations such as cellulitis, lipodystrophies or lipedema, among others
- Identify the main characteristics of adipose tissue and its variations depending on each patient
- Know how to manage communication in an Aesthetic Medicine company, as well as the social networks and all the company's communication channels
- Be able to implement marketing campaigns appropriate to the sector that help to improve profitability
- Be able to identify skin aging and apply appropriate treatments to prevent and delay it

04

Course Management

The program's teaching staff includes leading experts in Aesthetic Medicine who contribute their work experience. Additionally, other recognized experts participate in its design and preparation, completing the program in an interdisciplinary manner.

The leading experts in Aesthetic Medicine have joined forces to share with you all their knowledge in this field"

Management

Dr. Mosquera González, Margarita

- Medical Director of the Integral Aesthetic Medicine Department. C&M Clinic. Rivas. Madrid
- Specialist in the Preventive Medicine Unit at the Alcorcón Foundation University Hospital
- Specialist in Aesthetic and Antiaging Medicine

Dr. Lacosta Esclapez, Pilar

- Head of the Lipedema Unit Aesthetic Medicine Department Viamed Hospitals
- Head of the Department of Aesthetic Oncologic Medicine at the Plastic Surgery Clinic of Dr. Granado Tiogonce
- Head of the Oncology Patient's Quality of Life Unit
- Medical Aesthetician Nuestra Señora de La Paloma Hospital
- Medical Aesthetician in Pilar Lacosta Clinic
- Medical Director of the Sergesa Center for Dependence
- Director of the oncological Aesthetic Medicine unit at Dr. Granado's clinic in Pozuelo de Alarcón
- Medical Director of Dr. Pilar Lacosta en Boadilla del Monte
- Some societies to which she belongs, Member of the Board of Directors of the group of experts in aesthetic medicine in oncological patients (GEMEON), SEMNO (Spanish Society of Nutrition and Orthomolecular Medicine), SEME (Spanish Society of Aesthetic Oncological Medicine)

Professors

Dr. Franco Vidal, Amalia
- Coordinator of Quality and Innovation in the Health Service of the Principality of Asturias
- Specialist in Preventive Medicine and Public Health. La Paz University Hospital. Madrid
- Primary Care Medical Director
- Evaluator in the European Union Project of Rare Disease Units for the "European Reference Networks for Rare and Low Prevalence Complex Diseases"
- Management Development Program. Talentia 360

Dr. Chicón García, Jesús
- Medical Director Chez Jolie Clinic
- Medical Director JEISAMED Clinics
- Medical Director Salutae
- Master's Degree in Aesthetic Medicine and Hospital Nutrition
- European Expert in Quality Management. Spanish Quality Agency
- European Expert in Research, Development, and Innovation. Spanish Quality Agency

Dr. Zetina Toache, Luis Miguel
- Medical Director of Oncomédica Cancer Consultants
- Affiliated to the MSD Global Lung Scientific Symposium

Dr. Gayoso Blanco, Macarena
- Responsible of PR at Newmonday Agency
- Communications Manager at ALIA Architecture
- Master's Degree in Event Organization, Protocol, and Institutional Relations

Dr. Alonso García, Marcos
- Public Health Technician Government of the Community of Madrid
- Specialist in the Preventive Medicine Unit at the Alcorcón Foundation University Hospital

Dr. Arnaiz Urrez, Celia
- Psychologist in charge of HR in HUFA
- Psychologist in the Human Resources Department at Alcorcón Foundation University Hospital Madrid
- Clinical Simulation Instructor. Center for Medical Simulation of Harvard-MIT
- HR Director at TCP
- Head of the Training and Recruitment Unit of the Alcorcón University Hospital Foundation
- Specialization in Clinical Psychology and Work Psychology. International Coach Federation
- Development of emotional competencies in periods of health crises due to Ebola and Covid
- Participatory strategies for optimizing team leader selection
- Impact of Soft Skills Competency Training
- The ROI of Soft Skills Training
- Development of a dictionary of competencies for healthcare organizations
- Development of new roles, or how to promote a new paradigm in chronic care with professionals as the driving force for change
- Validity of the welcoming processes in the integration of the new employee into the organization
- Collaboration in the adaptation of clinical psychometric tests (UCM) and development of personality tests (TP-10) in the selection of police scales. DGP-Ministry of the Interior

Dr. Esteban Herrero, Margarita

- Medical Director of the Aesthetic Medical Center Clinic Dra. Esteban
- Specialist in Aesthetic Medicine and Director of the Aesthetic Clinic
- President of the group of experts in oncological Aesthetic Medicine (GEMEON)
- Member of the Spanish Society of Aesthetics Medicine (SEME)

Dr. De Toledo Heras, María

- Specialist in Neurology. Neurology Department, La Princesa University Hospital
- Head of the Epilepsy Unit. Neurology Department, La Princesa University Hospital Madrid
- Specialist in Neurology. Doce de Octubre University Hospital
- Specialty in cognitive disorders and dementias
- PhD in Neurosciences

Dr. Ugarte López, Nuria

- Director of the Aesthetic Medical Center Dra. Nuria Ugarte
- Expert in quality of life and medical-aesthetic care of the oncology patient
- Member of the Board of Directors of the Group of Experts in Aesthetic Medicine in Oncology Patients (GEMEON)
- Member of the Spanish Society of Aesthetic Medicine (SEME) and Riojan Society of Aesthetic Medicine (SRME)

Dr. Ibáñez Castresana, Ricardo

- Lawyer specialized in Medical Health Law
- Founder of the law firm "IURISVOX"
- Member of the Commercial Arbitration Court of Vizcaya, as expert arbitrator
- Legal Advisor in the Government Consumer Affairs Directorate
- Selection of staff for the Municipal Consumer Information Offices (OMIC)
- Legal advisor to the Spanish Commission for Refugee Aid

Dr. Rodríguez Scheid, Salvador

- Physician and Manager at Variclinic Aesthetic Clinics
- It belongs to the Aesthetic Medicine Association of Castilla La Mancha (AMECLM), the Spanish Society of Aesthetic Medicine (SEME) and the Spanish Society of Angiology and Vascular Surgery - Chapter of Phlebology (SEACV-CF)
- Member of the Spanish Society of Cardiology. SMC
- Member of the Spanish Society of Ultrasound. SEECO
- Member of the Spanish Society of Cardiology. SEC
- Full member of the Spanish Society of Aesthetic Medicine SEME
- Member of the Spanish Society of Cosmetic Medicine and Surgery. SEMCC
- Member of the Aesthetic Medicine and Cosmetic Surgery Association of Murcia. AMMECC
- Member of Soc. Esp. Angiology and Vascular Surgery. Chapter of Phlebology. CF-SEACV
- Member of the French Society of Phlebology. SFP

Dr. Martínez Morón, Victoria
- Pelvic Floor Unit Coordinator. Fundación Alcorcón University Hospital
- Member of the Spanish Society of Gynecology and Obstetrics
- Vice President of the Spanish Society of Aesthetic, Regenerative and Functional Gynecology
- Head of Gynecological Laser Unit at Multilaser Clinic Madrid
- Responsible for the Regenerative and Functional Gynecology Unit at Mediestetic Clinics
- Responsible for the Gynecological Laser and Intimate Health Unit at the Palacios Institutel

Ms. Díaz Martín, María Margarita
- Nurse of the Preventive Medicine Unit, Alcorcón Foundation University Hospital
- Expert in Surgical Area Nursing, Anesthesia and Resuscitation
- Teaching activity on procedures related to infection control, hospital hygiene, hand hygiene, use of antiseptics and disinfectants
- Trajectory as a Principal Tutor of Clinical Internships with Undergraduate Nursing Students

Dr. Arredondo Provecho, Ana Belén
- Nurse Assistant at the HUFA Preventive Medicine Unit
- Doctor in Health Sciences
- Coordinator and teacher of several continuing education courses in specialized care

Dr. Vicente Sánchez, Gemma
- Medical Specialist in Internal Medicine and Public Health at HUFA
- Clinical Management of the Patient with Systemic and Autoimmune Disease

Dr. Del Cura Rodríguez, José Luis
- Head of the Radiodiagnosis the Department of the Donostia University Hospital
- Head of Section of the Radiodiagnosis Department, Hospital de Basurto Vizcaya
- Head of Radiology Department Donostia University Hospital - OSI Donostialdea
- President of the Spanish Ultrasound Society (SEUS)
- Former President of the Spanish Ultrasound Society SERAM

Dr. Del Cura Allende, Gorka
- Medical Specialist in Radiology. Radiodiagnosis Service at Galdakao-Usansolo Hospital
- Simple radiology studies, abdominal, thyroid and cervical, testicular, musculoskeletal/soft tissue ultrasound
- Breast diagnostics (mammography and breast and axillary ultrasound)

Dr. Carlos Iriarte, Esperanza
- Head of Physical Medicine and Rehabilitation Department at Doce de Octubre University
- European Board of Physical Medicine and Rehabilitation. Paris
- Excellence program for exchange regarding botulinum toxin
- Teacher and organizer of courses on infiltration with Neurotoxin A

Dr. Arroyo Romo, César
- Head Physician of the Medical Regenerative and Aesthetic Laser Unit of the Montepríncipe Medical Hospital in Madrid
- President of the Spanish Society of Esthetic, Regenerative, and Functional Gynecology
- Former International Director of the Iberoamerican Academy of Medical Lasers AILMED

- International teacher of Aesthetic Medicine, Aesthetic and Laser Techniques
- Member of numerous prestigious Societies, North American Society of Surgical Medical Laser ASLMS, Spanish Society of Surgical Medical Laser SELMQ Portuguese Society of Aesthetic Medicine (SPME), Scientific Committee of the International Association of Aesthetic Gynecology and Sexual Wellbeing IAAGSWS, International Society of Aesthetic Gynecology ISAGSS

Dr. Ordiz García, Ignacio

- Director of the Aesthetic Medicine Area, El Fontán Clinic
- President of the Iberoamerican Mesotherapeutic Medicine Association since its foundation
- Member of prestigious associations, Founding member and speaker of the Asturian Society of Cosmetic and Aesthetic Medicine, Honorary Member of the Spanish Association of Manual Lymph Drainage Vodder, Spanish Society of Aesthetic Medicine, French Society of Mesotherapy, Italian Society of Mesotherapy, Spanish Society of Homeopathic Medicine

Dr. Saco Mera, Edmundo

- Medical Director at D'Láser Clinic
- National and International Speaker of Laser and Photoluminescent Platforms for some of the most important laser equipment commercial manufacturers
- Speaker at national and international congresses and courses on aesthetic medicine and medical laser
- Collaborator of the Editorial Committee of the Scientific Journal of the Faculty of Medicine, Ricardo Palma University

Dr. Zamora Iniesta, Tomás

- Medical Director of "Dr Tomás Zamora Aesthetic Clinic"
- Member of the following Societies, Spanish Society of Aesthetic Medicine (SEME), Spanish Society of Surgical Medical Laser (SELMQ), Member of the Board of Directors of the Aesthetic Medicine and Cosmetic Surgery Association of Murcia (AMMECC)

Dr. Fortes Madrigal, Antonio

- International Commercial, Technical and Scientific Director of Medika Light
- Director of Technology Division CCMIR
- International Commercial, Technical and Scientific Director at Lyposmol
- Commercial, Technical and Scientific Director, Alma Lasers
- Commercial, Technical and Scientific Director LPG
- Clinical Director of Private Practice of Pain Therapy and Proprioception

Dr. Del Diego Salas, Jorge

- Assistant General Director of Health Promotion and Prevention, Ministry of Health
- National Coordinator of the Vaccine Network of the Spanish Society of Preventive Medicine, Public Health and Health Management
- Head of the Support Unit of the General Directorate of Public Health of the Ministry of Health
- Former Director of the International Epidemiological Alerts and Consultancy Service ASISA
- WHO International Consultant for the Ebola outbreak in West Africa
- PAHO/WHO International Consultant in the regional Dengue program for the Americas
- Member of the ECDC EPIET program
- Head of the vaccine network and member of the Board of Directors of the Spanish Society of Preventive Medicine, Public Health and Hygiene

Dr. Rubio Lombraña, Marta

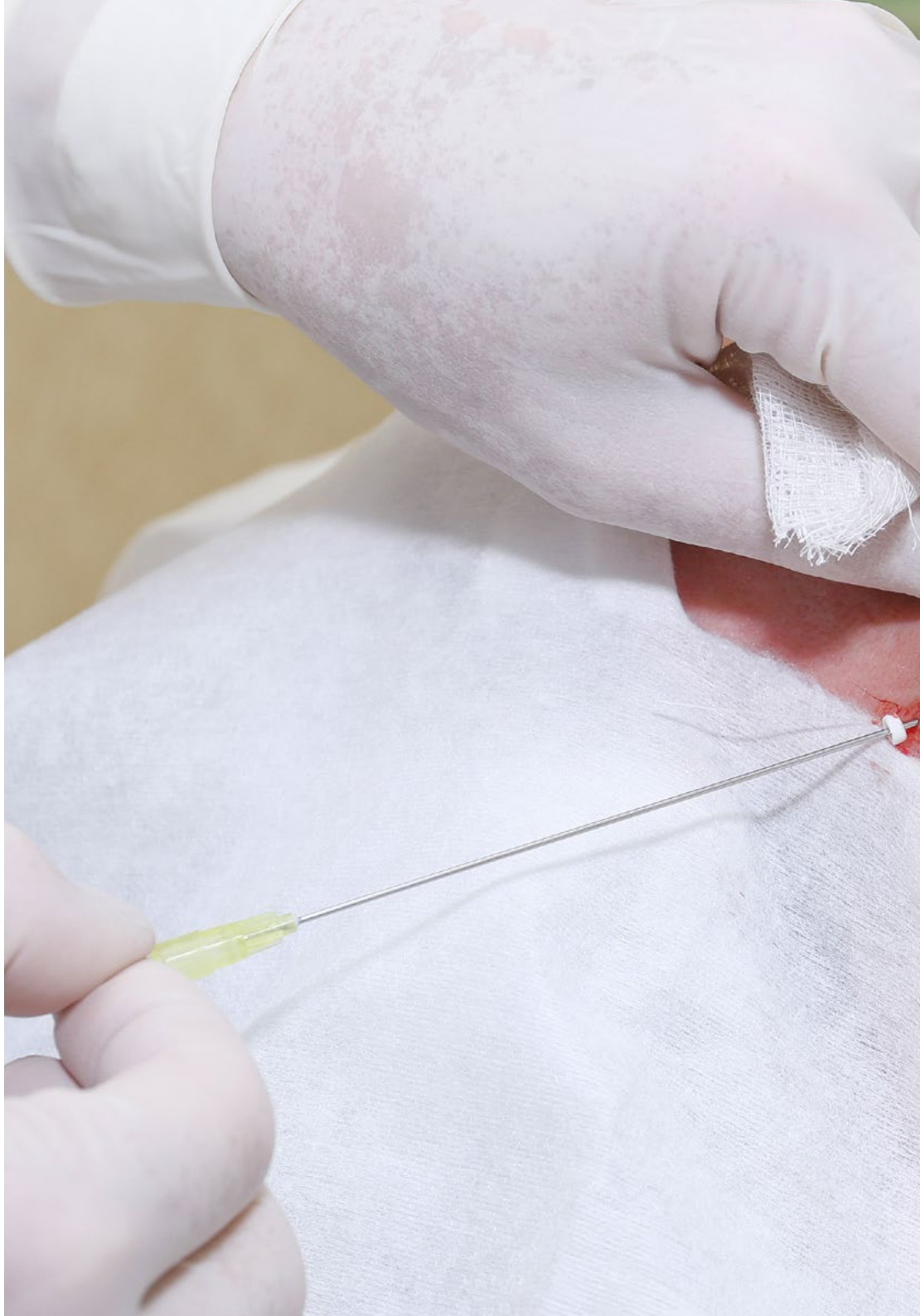
- Degree in Trichology and Hair Transplant
- Director TricoNorte. Euskalduna Clinic of Bilbao
- Dermatologist at Urduliz Alfredo Espinona Hospital, Vizcaya, Member of the Spanish Academy of Dermatology and Venereology

Dr. Ramos Trujillo, María

- Medical Aesthetician expert in Quality of Life and Medical-Aesthetic Care
- Responsible for the Clinical Coding, Archive and Documentation Management
- President of the Medical Records and Mortality Committee of the General University Hospital of Castellón
- Spokesperson of the Patient Safety Committee of the General University Hospital of Castellón
- Member of the Ethics Committee for Research with Medicines (CEIM) of the Hospital

Dr. Aldana López, Guillermo

- Director of Aldana Laser Miami and Aldana Laser Center Venezuela
- Responsible for the study of Light Technology Applications in Facial Rejuvenation Treatment
- Best Communication Award at the XXIX Congress of the Spanish Society of Medical Surgical Laser, Photoepilation with Alexandrite Laser on skin grafts after facial reconstructive surgeryMember of several societies, American Society of Medical Laser, American Society of Aesthetic Medicine, American Society of Aesthetic MedicineDr. Roces Menéndez, Ana
- Medical Director of Merz Pharma for Spain and Portugal



- Medical Director of the pharmaceutical laboratory Merz Pharma for Spain and PortugalMedical Director of the pharmaceutical laboratory Merz Pharma for Spain and Portugal
- Medical Director of Merz Center of Excellence Aesthetic Medicine Clinic
- Specialist in Aesthetic, Cosmetic and Antiaging MedicineMaster's Degree in Pharmaceutical Marketing

Dr. Sans Durán, Cristina

- Emergency Physician in the 112 Emergency Department
- Aesthetic and Cosmetic Physician
- PhD on Nutrition and Obesity

Dr. Iglesias, Emma

- Medical Direction Svenson International Aesthetic Clinics
- Capillary Surgeon
- Cosmetic Surgeon specializing in oral and maxillofacial surgery at Sanitas and HM Hospitals

05

Structure and Content

The structure of the content has been designed by leading professionals in the Aesthetic Medicine sector, with extensive experience and recognized prestige in the profession, backed by the volume of cases reviewed, studied, and diagnosed, and with extensive knowledge of new technologies applied to teaching.

This Master's Degree in Aesthetic Medicine contains the most complete and up-to-date scientific program on the market"

Module 1. Basic Principals of Aesthetic Medicine

1.1. Introduction and Perception of Beauty
- 1.1.1. History
- 1.1.2. Proportions and Elements of Facial Analysis
- 1.1.3. General and Specific Facial References

1.2. Anatomical Changes: Aging
- 1.2.1. Aging: a Dynamic Process
- 1.2.2. Lesions Associated to Aging. Changes in Bony and Soft Facial Structures
- 1.2.3. Changes in the Ligaments, Muscles and Skin

1.3. Theories on Aging
- 1.3.1. Molecular Theory and Oxidative Stress
- 1.3.2. Theories on Intrinsic Aging
- 1.3.3. Theories on Extrinsic Aging
- 1.3.4. Telomere Shortening. Genes Associated with Longevity and Aging

1.4. Evaluation of Aging in Aesthetic Medicine
- 1.4.1. Scales to Evaluate Aging
- 1.4.2. Clinical Visual Scale
- 1.4.3. Diagnostic Imaging Methods
- 1.4.4. Skin Parameters: Moisturization, Elasticity, Color, Oil Production, Desquamation

1.5. Topical Treatments (General)
- 1.5.1. Global Assessment of Treatment Tools
- 1.5.2. Managing Loss of Volume. Problems and Solutions
- 1.5.3. Addressing Loss of Flaccidity. Surgical and Non-Surgical Problems and Solutions
- 1.5.4. Managing Dyschromia and Texture. Problems and Solutions
- 1.5.5. Managing Dynamic Wrinkles

1.6. Diagnostic Imaging Introduction to Ultrasound Skin Imaging
- 1.6.1. Basic Principles of Ultrasound
- 1.6.2. Structure Recognition
- 1.6.3. Artifacts
- 1.6.4. Dermis and Epidermis
- 1.6.5. Subcutaneous Tissue. Vessels and Other Structures

1.6.6. Facial Anatomical Structures
1.6.6.1. Ultrasound of the Periocular Area
1.6.6.2. Ultrasound of the Nasal Region
1.6.6.3. Ultrasound of the Lips
1.6.6.4. Scalp Ultrasound
1.6.7. Skin Aging. Identification of Solar Elastosis
1.7. Psychological Assessment of the Patient in Aesthetic Medicine
1.7.1. Psychological Disorders Related to Body Image
1.7.2. Psychological Approach to the Patient in Aesthetic Medicine
1.7.3. Therapeutic Approach
1.8. Preventing Infection When Practicing Aesthetic Medicine
1.8.1. Use of Antiseptics in Aesthetic Medicine Consultations
1.8.2. Hand Hygiene
1.8.3. Use of Disinfectants in Aesthetic Medicine Consultations
1.8.4. Sanitary Waste Management
1.9. Quality Management in the Practice of Aesthetic Medicine
1.9.1. Quality Improvement Cycle
1.9.2. What Is a Quality Management System?
1.9.3. ISO 9001 Quality Management System: 2015. How to Accredit an Aesthetic Medicine Clinic?

Module 2. Peels and Dermocosmetics

2.1. Overview
2.1.1. History. Definition
2.1.2. Skin Structure
2.1.3. Types of Peels and Common Indications and Other Indications
2.1.4. Patient Selection: The Importance of the Medical History
2.1.5. Correct Diagnosis: Wood's Light and Dermatoscope
2.1.6. Informed Consent Form
2.2. Previous Preparation
2.2.1. Skin Preparation: General Skin Care and Home Treatment
2.2.2. Antiherpetic Prophylaxis
2.2.3. Preanesthetic Assessment Indications

2.3. Superficial Peels
- 2.3.1. Types of Very Superficial and Superficial Peels
- 2.3.2. Mechanism of Action
- 2.3.3. Indications for Superficial Peels
- 2.3.4. Contraindications
- 2.3.5. Procedure

2.4. Medium Peels
- 2.4.1. Types of Medium Peels
- 2.4.2. Mechanism of Action
- 2.4.3. Indications for Medium Peels
- 2.4.4. Contraindications
- 2.4.5. Procedure

2.5. Deep Peels
- 2.5.1. Introduction to Deep Peels
- 2.5.2. Deep Peels Patient Selection
- 2.5.3. Deep Phenol Peels
- 2.5.4. Outpatient Phenol Peels
- 2.5.5. Procedure

2.6. Post-Peels Care. Adverse Effects and Their Treatment
- 2.6.1. General Recommendations and Specific Post-Peels Care
- 2.6.2. Adverse Effects and Their Treatment

2.7. Introduction to Dermocosmetics
- 2.7.1. Skin Types
- 2.7.2. What Is a Cosmetic?
- 2.7.3. Ingredients in a Cosmetic Product
- 2.7.4. Cosmetic Forms
- 2.7.5. Mechanisms of Absorption of Cosmetics

2.8. General Cosmetic Skin Care
- 2.8.1. Hygiene
- 2.8.2. Hydration
- 2.8.3. Depigmenting Agents
- 2.8.4. Photoprotection

2.9. Specific Cosmetic Care
- 2.9.1. Aging
- 2.9.2. Acne
- 2.9.3. Other Alterations: Rosacea

2.10. Magistral Formulation in Cosmetics

Module 3. Applications of Botulinum Toxin in Dermatology and Aesthetics. Regenerative Medicine for Aesthetic Purposes

3.1. Types of Botulinum Toxin
- 3.1.1. What Is Botulinum Toxin?
- 3.1.2. Characteristics and Types of Botulinum Toxin
- 3.1.3. Mechanism of Action
- 3.1.4. Interaction of Light and Tissue: Biological Effects

3.2. Botulinum Toxins Authorized for Aesthetic Use
- 3.2.1. Trade Names of Botulinum Toxins Type A
- 3.2.2. Toxins Authorized for Aesthetic Use
- 3.2.3. Toxins Authorized for Other Conditions. Botulinum Toxin Type B
- 3.2.4. Toxin Reconstitution. Conservation
- 3.2.5. Injection Technique
- 3.2.6. Post-Treatment Recommendations

3.3. Indications for Treatment of Expression Wrinkles
- 3.3.1. Indications for Treatment on Forehead Wrinkles
- 3.3.2. Indications for Treatment on Glabellar Lines
- 3.3.3. Indications for Treatment on Periocular Wrinkles
- 3.3.4. Indications for the Treatment of Eyebrows
- 3.3.5. Indications for Treatment of the Suborbital Region and Nose
- 3.3.6. Indications Treatment of Vertical Upper Lip Wrinkles
- 3.3.7. Indications for Treatment of the Corners of the Mouth
- 3.3.8. Indications for Treatment of the Chin
- 3.3.9. Indications for Treatment of the Neck

3.4. Treatment of the Upper Third. Anatomy of Facial Marks
- 3.4.1. Frontal Muscles. Treatment of Horizontal Forehead Wrinkles
- 3.4.2. Glabellar Muscles. Treatment of Frown Lines and Vertical Forehead Wrinkles
- 3.4.3. Periorbital Region Muscles. Crow's Feet Treatment
- 3.4.4. Eyebrow Muscles. Eyebrow Lifting. Lateral Brow Lift
- 3.4.5. Infraorbital and Nasal Muscles. Treatment of Lower Eyelid Wrinkles. Nasal Wrinkles

3.5. Treatment of the Middle and Lower Third. Neck. Anatomy of Facial Marks
- 3.5.1. Perioral Muscles: Treatment of Vertical Upper Lip Wrinkles
- 3.5.2. Perioral Muscles: Marionette Lines. Lifting of the Corner of the Mouth
- 3.5.3. Chin Muscles: Treatment of Chin Wrinkles
- 3.5.4. Masseter Muscle: Treatment of Masseter Hypertrophy Bruxism
- 3.5.5. Neck Muscles: Platysma Treatment

3.6. Treatment of Hyperhidrosis with Botulinum Toxin
- 3.6.1. Types of Hyperhidrosis: Axillary and Palmar
- 3.6.2. Technique of Botulinum Toxin Infiltration in Hyperhidrosis
- 3.6.3. Truncal Anesthesia in Palmar Hyperhidrosis
- 3.6.4. Results and Duration

3.7. Complications from Botulinum Toxin Application

3.8. Introduction to Regenerative Medicine
- 3.8.1. Regenerative Medicine Concept
- 3.8.2. Growth Factors

3.9. Applications of Regenerative Medicine in Dermatology and Aesthetics. Other Medical Applications
- 3.9.1. Application in Rejuvenation
- 3.9.2. Other Conditions. Burns, Scars, Keloids and Stretch Marks

3.10. Practical Considerations and Injection Techniques
- 3.10.1. Obtaining Growth Factors
- 3.10.2. Skin Infiltration for Rejuvenation
- 3.10.3. Other Aesthetic Applications

Module 4. Facial Implants in Aesthetics

4.1. Introduction to Filler Materials
- 4.1.1. The Concept of Filler Material
- 4.1.2. Tissue Response to Filler Materials
- 4.1.3. History of the Use of Fillers and Facial Support Threads
- 4.1.4. Facial Exploration Aimed at the Use of Filler Materials. Risk Zones

4.2. Filler Materials
- 4.2.1. Classification of Filler Materials
- 4.2.2. Autologous Materials: Autologous Fat, Plasmigel, etc
- 4.2.3. Resorbable Filler Materials
- 4.2.4. Hyaluronic Acid
- 4.2.5. Calcium Hydroxyapatite
- 4.2.6. Collagen
- 4.2.7. Polylactic Acid
- 4.2.8. Carboxymethyl Cellulose

4.3. Non-Resorbable or Permanent Filler Materials
- 4.3.1. Legal Situation
- 4.3.2. Polymethylmethacrylate Microspheres
- 4.3.3. Silicone
- 4.3.4. Polyalkylimide or Alkylimide Hydrogel
- 4.3.5. Polyacrylamide Hydrogel
- 4.3.6. Iatrogenic Allogenosis

4.4. Indications for the Use of Filler Materials
- 4.4.1. Facial Diagnosis. Objective to Treat
- 4.4.2. Injection Technique
- 4.4.3. Approach to Treatment of the Upper Third
- 4.4.4. Approach to Treatment of the Middle Third
- 4.4.5. Approach to Treatment of the Lower Third
- 4.4.6. Skin Revitalization Techniques
- 4.4.7. Alert Areas

4.5. Rhino-Modeling
- 4.5.1. Indications and Contraindications for Rhinomodeling
- 4.5.2. Specific Anatomy. Nasal Proportions
- 4.5.3. Materials Used for Rhino-Modeling
- 4.5.4. Rhino-Modeling Technique
- 4.5.5. Secondary Rhino-Modeling
- 4.5.6. Complications and Adverse Effects

4.6. Lip Implants
- 4.6.1. Anatomy and Proportions of the Lips
- 4.6.2. Materials Used for the Lips
- 4.6.3. Features of Male and Female Lips
- 4.6.4. Lip Contouring
- 4.6.5. Lip Volume Enhancement
- 4.6.6. Rejuvenation of Lips and Peribucal Area
- 4.6.7. Lip Moisturizing Technique
- 4.6.8. Complications and Adverse Effects

4.7. Identifying Filler Materials Using Ultrasound
- 4.7.1. Resorbable Fillers
- 4.7.2. Semi-Permanent Fillers
- 4.7.3. Permanent Fillers
- 4.7.4. Ultrasound in the Management of Complications of Filler Substances

4.8. Facial Support Threads
- 4.8.1. Sutures Features and Mechanism of Action
- 4.8.2. Indications
- 4.8.3. Insertion Plan and Insertion Patterns
- 4.8.4. Insertion Procedure
- 4.8.5. Types of PDO Threads
- 4.8.6. APTOS Threads
- 4.8.7. Coned Threads, Double Needle
- 4.8.8. Treatment Plan
- 4.8.9. Approach to Complications and AE
- 4.8.10. Combination with Other Tightening Treatments

4.9. Adverse Effects and Complications of Filler Materials
- 4.9.1. Early General Complications, Prevention, and Treatment
- 4.9.2. Late General Complications, Prevention, and Treatment
- 4.9.3. Complications Associated with Hyaluronic Acid Injections
- 4.9.4. Complications Associated with Calcium Hydroxyapatite Injections
- 4.9.5. Complications Associated with Deep Sutures and PDO Threads
- 4.9.6. Complications Associated with the Use of Permanent Materials
- 4.9.7. Hyaluronidase

4.10. Suture and Implant Approach to the Male Patient
- 4.10.1. Aging Process in Male Patients
- 4.10.2. General Considerations for Filler Treatment in Male Patients
- 4.10.3. Volume Restoration in the Middle Third
- 4.10.4. Volume Restoration in the Lower Third
- 4.10.5. Facial Masculinization

Module 5. Aesthetic and Regenerative Gynecology

5.1. Anatomy
- 5.1.1. Vulva: Histology, Anatomy and Relationships
- 5.1.2. Vagina: Histology, Anatomy and Relationships
- 5.1.3. Female Pelvic Floor Anatomy
  - 5.1.3.1. Muscular Structures
  - 5.1.3.2. Urogenital Diaphragm
  - 5.1.3.3. Superficial and Deep Perineum
  - 5.1.3.4. Vasculonervous Relations of the Lesser Pelvis
  - 5.1.3.5. Anatomy of the Clitoris

5.2. Treatment of Anatomical Alterations
- 5.2.1. Mons Pubis: Reduction of the Mons Pubis: Liposuction, Laser Lipolysis. Enlargement of the Mons Pubis: Fillers (Fat, Fillers)
- 5.2.2. Labia Minora: Classification of Anatomical Defects. Types of Labiaplasty. Pre and Postoperative Recommendations
- 5.2.3. Labia Major: Classification of Anatomical Defects. Surgical Techniques
- 5.2.4. Vaginal Introitus and Hymen: Classification and Etiology of Introitus Pathology. Hymen Pathology (Rigid Hymen, Imperforate Hymen). Surgical Treatment

5.2.5. Vaginal Introitus: Pathology due to Stenosis. Amplitude of the Introitus
5.2.6. Superficial Perineum and Anal Musculature. Perineal Obstetric Tears. Obstetric Tears of the Anal Sphincter
5.2.7. Female Genital Ablations. Social and Cultural Management. Surgical Management. Psychological Handling

5.3. Treatment of Vaginal Hyperlaxity Syndrome
5.3.1. Definition and Aetiology
5.3.2. Symptoms and Signs
5.3.3. Management and Treatments

5.4. Management of the Genitourinary Syndrome of Menopause
5.4.1. Definition and Prevalence
5.4.2. Symptoms and Signs
5.4.3. Alternative Treatments

5.5. Menopause
5.5.1. Definition of Menopause
5.5.2. Definition of Climacteric Syndrome
5.5.3. Symptoms, Risks and Pathologies Associated with Climacteric Syndrome
5.5.4. Management and Advice
5.5.4.1. Lifestyle Recommendations
5.5.4.2. Hormone Replacement Therapy (Indications and Contraindications) and Introduction to Bioidentical Hormones
5.5.5. Sexuality in Menopause

5.6. Regenerative and Functional Gynecologic Pathology
5.6.1. Vulvar Lichen Sclerosis
5.6.1.1. Definition and Symptoms
5.6.1.2. Medical Treatment and Regenerative Treatments
5.6.2. Urinary Incontinence
5.6.2.1. Definition, Etiology and Classification
5.6.2.2. Medical Treatment
5.6.2.3. Physiotherapy Treatment
5.6.2.4. Surgical Treatment (Indications, Contraindications, and Complications)

5.7. Energy-Based Devices
5.7.1. Laser Technology
5.7.1.1. Physical and Therapeutic Foundations
5.7.1.2. Biological Effects of Thermotherapy
5.7.1.3. Types of Lasers and Uses
5.7.1.4. Indications and Contraindications
5.7.1.5. Available Evidence
5.7.1.6. Procedure
5.7.2. Radiofrequency Technology
5.7.2.1. Radiofrequency Technology
5.7.2.2. Physical and Therapeutic Foundations
5.7.2.3. Biological Effects of Radiofrequency
5.7.2.4. Indications and Contraindications
5.7.2.5. Procedure
5.7.2.6. Available Evidence

5.8. Sexual Dysfunctions
5.8.1. Hypoactive Desire Dysfunction (Definition)
5.8.1.1. Sexological Approach
5.8.1.2. Medical Treatment
5.8.2. Stimulation and Orgasm Dysfunctions (Definition)
5.8.2.1. Sexological Approach
5.8.2.2. Medical Treatment
5.8.3. Pain Dysfunctions (Definition)
5.8.3.1. Vaginismus. Definition and Classification
5.8.3.2. Dyspareunia. Definition and Classification
5.8.3.3. Vulvodynia. Definition and Classification
5.8.4. Therapeutic Approach
5.8.4.1. Sexological Approach
5.8.4.2. Medical Treatment: Analgesia. Antidepressant Effects of Botulinum Toxin
5.8.5. Sexual Evaluation Questionnaires

5.9. Genital Regenerative Treatments (Alternatives)
- 5.9.1. Platelet-Rich Plasma
- 5.9.2. Hyaluronic Acid Application in Female Genitalia
  - 5.9.2.1. Aesthetic Medical Indications
  - 5.9.2.2. Functional Medical Indications
  - 5.9.2.3. Complications
- 5.9.3. Vulvo Vaginal Carboxytherapy
- 5.9.4. Possibilities for the Use of Stem Cells in Regenerative Gynecology

5.10. Local Anesthesia, Locoregional Anesthesia and Sedation in Cosmetic Genital Surgery
- 5.10.1. Anesthetic Techniques in Gynecoesthetics
- 5.10.2. Sedation
- 5.10.3. Pudendal Nerve Block
- 5.10.4. Local Anesthesia of Cutaneous Nerves
- 5.10.5. General Anesthesia

Module 6. Laser and Light Sources in Aesthetic Medicine

6.1. History of the Use of Light Sources. Current Indications
- 6.1.1. History of the Use of Light Sources
- 6.1.2. What is Light? What is Wavelength? What is a Chromophore?
- 6.1.3. Fabric Optics
- 6.1.4. Interaction of Light and Tissue: Biological Effects
- 6.1.5. Therapeutic Effects: Theories of Action
- 6.1.6. Light Emission Systems: Laser, Intense Pulsed Light and LEDs

6.2. Treatment of Vascular Lesions
- 6.2.1. Main Indications: Most Commonly Used Laser Types and Light Sources
- 6.2.2. Contraindications
- 6.2.3. Side Effects

6.3. Treatment of Pigmented Lesions and Tattoos
- 6.3.1. Differential Diagnosis of Pigmented Blemishes. Importance of the Use of Wood's Light and Dermatoscope
- 6.3.2. Laser and Light Source Treatment of Pigmented Blemishes
- 6.3.3. Laser Treatment of Tattoos
- 6.3.4. Contraindications
- 6.3.5. Side Effects

6.4. Laser Photoepilation and Light Sources
- 6.4.1. Patient Selection and Types of Treatment
- 6.4.2. Treatment of Particular Cases
- 6.4.3. Contraindications
- 6.4.4. Side Effects

6.5. Treatment of Acne, Scars, and Stretch Marks with Lasers and Light Sources
- 6.5.1. Acne: Laser Treatment and Light Sources, Contraindications and Side Effects
- 6.5.2. Scars: Qualification, Treatment Types, Contraindications and Side Effects
- 6.5.3. Stretch Marks: Types of Treatment, Contraindications and Side Effects

6.6. Rejuvenation
- 6.6.1. Ablative
- 6.6.2. Non-Ablative
- 6.6.3. Fractional Treatment
- 6.6.4. Combination of Treatments
- 6.6.5. Contraindications
- 6.6.6. Side Effects

6.7. Localized Fat Treatment
- 6.7.1. Laser Lipolysis
- 6.7.2. LLLT

6.8. Photobiomodulation
- 6.8.1. What is Photobiomodulation?
- 6.8.2. Indications
- 6.8.3. Contraindications
- 6.8.4. Side Effects

6.9. Photodynamic Therapy
- 6.9.1. Definition
- 6.9.2. Indications
- 6.9.3. Contraindications
- 6.9.4. Side Effects

6.10. Safety of Use of Light Sources
- 6.10.1. Eye Protection
- 6.10.2. Occupational Hazards

Module 7. Phlebology and Lymphatic Disorders. Body Aesthetics

7.1. Anatomy, Physiology, Pathophysiology of the Venous System: Diagnosis and Treatment of Chronic Venous Disease
- 7.1.1. Anatomy and Physiology of the Venous System
- 7.1.2. Pathophysiology of the Venous System. Varices. Venous Hypertension
- 7.1.3. Etiopathogenesis of Varicose Veins. Aggravating Factors
- 7.1.4. Clinical and Instrumental Diagnostics. CEAP Classification
- 7.1.5. Treatment of Chronic Venous Disease

7.2. Anatomy, Physiology and Pathophysiology of the Lymphatic System: Diagnosis and Treatment of Lymphedema
- 7.2.1. Anatomy and Physiology of the Lymphatic System
- 7.2.2. Pathophysiology of the Lymphatic System and Edema
- 7.2.3. Diagnosis and Classification of Lymphedema
- 7.2.4. Conservative Treatment of Lymphedema
- 7.2.5. Surgical Treatment of Lymphedema

7.3. Embryology, Anatomy, Physiology and Pathophysiology of Adipose Tissue
- 7.3.1. Embryology of White Adipose Tissue and Brown Adipose Tissue
- 7.3.2. Anatomy of Adipose Tissue
- 7.3.3. Adipose Tissue as an Endocrine Organ
- 7.3.4. Adipose Tissue Physiology. Lipogenesis and Lipolysis
- 7.3.5. General Overview of Overweight and Obesity. Epidemiology

7.4. Diagnostic Methods in Body Contouring Disorders
- 7.4.1. Medical History
- 7.4.2. Anthropometry
- 7.4.3. Bioimpedance
- 7.4.4. Imaging Techniques Applied to the Study of Body Contouring
- 7.4.5. Analytical and Complementary Techniques

7.5. Definition, Etiopathogenesis and Diagnosis of Body Contouring Disorders
- 7.5.1. Cellulite
- 7.5.2. Localized Adiposities
- 7.5.3. Lipedema
- 7.5.4. Flaccidity
- 7.5.5. Body Changes Related to Aging

7.6. Non-Surgical Techniques for the Treatment of Body Contouring Alterations
- 7.6.1. Home Treatment
- 7.6.2. Physical Techniques to Treat Body Contouring: Electrotherapy, Ultrasound, Radiofrequency, Pressotherapy, etc
- 7.6.3. Infiltration Techniques in the Treatment of Body Contouring Mesotherapy/ Intradermotherapy. Hydrolipoclasia
- 7.6.4. Carboxytherapy
- 7.6.5. Treatment Protocols

7.7. Surgical Techniques for the Treatment of Body Contouring Alterations
- 7.7.1. Surgical management of Venous Refluxes
- 7.7.2. Liposuction and Assisted Liposuction Techniques
- 7.7.3. Plastias
- 7.7.4. Surgical and Minimally Invasive Techniques for the Treatment of Excess Weight and Obesity (Gastric Balloon, Bariatric Surgery)
- 7.7.5. Pre and Postoperative Protocols in Lipedema

7.8. Lipedema and Lipodystrophies
- 7.8.1. Epidemiology and Etiopathogenesis of Lipedema
- 7.8.2. Clinical and Instrumental Diagnosis of Lipedema
- 7.8.3. Conservative Treatment of Lipedema
- 7.8.4. Surgical Treatment of Lipedema
- 7.8.5. Congenital and Acquired Lipodystrophies

7.9. Cellulite
- 7.9.1. Diagnosis and Classification
- 7.9.2. Treatment Protocol
- 7.9.3. Medical-Aesthetic and Surgical Treatments
- 7.9.4. Home Treatment
- 7.9.5. Recommendations for the Control of Aggravating Factors

7.10. Treatment Protocols for Body Contouring Alterations
- 7.10.1. In Overweight and Obesity
- 7.10.2. In Localized Adiposity
- 7.10.3. In Body Flaccidity
- 7.10.4. In Chronic Venous Disease
- 7.10.5. In Lymphatic Pathology of the Limbs

Module 8. Trichology and Hair Transplantation

8.1. Anatomy and Physiology of the Scalp Skin and Hair Follicle
- 8.1.1. Anatomical Structure and Function of the Skin Entity
- 8.1.2. Anatomy of the Hair Follicle
- 8.1.3. Hair Growth Cycle
- 8.1.4. Physiology of the Pilosebaceous Follicle
- 8.1.5. Factors Influencing Follicle Growth
- 8.1.6. Physical Properties of Hair
- 8.1.7. Variations by Age, Gender and Race

8.2. Medical History: Diagnostic Techniques and Capillary Analysis
- 8.2.1. Clinical History in Trichology
- 8.2.2. Non-Invasive Diagnostic Methods: Physical Examination; Photography; Trichoscopy. Confocal Microscopy and Scanning Electron Microscopy
- 8.2.3. Methods of Semi Invasive Diagnosis: Trichogram and Trichoscan
- 8.2.4. Invasive Methods: Skin Biopsy
- 8.2.5. Complementary Examinations and Analytical Protocols

8.3. Main Pathologies of the Scalp
- 8.3.1. Seborrheic Dermatitis and Pityriasis Capitis
- 8.3.2. Atopic Dermatitis and Scalp Psoriasis
- 8.3.3. Contact Dermatitis and Sensitive Scalp
- 8.3.4. Benign Skin Tumors
- 8.3.5. Skin Cancer and Precancer
- 8.3.6. Scalp Infections and Infestations

8.4. Alopecia: Concepts and Classification. Effluvia. Alopecia Areata
- 8.4.1. Concept and Classification of Alopecia
- 8.4.2. Acute and Chronic Telogen Effluvium
- 8.4.3. Anagenic Effluvium
- 8.4.4. Alopecia Areata

8.5. Male and Female Androgenetic Alopecia
- 8.5.1. Concept and Classification of Androgenetic Alopecia
- 8.5.2. Hormonal Metabolism in Androgenetic Alopecia
- 8.5.3. Alopecia femenina (FAGA)
- 8.5.4. Therapeutic Protocols

8.6. Hypertrichosis and Hirsutism
- 8.6.1. Differences Between Hypertrichosis and Hirsutism
- 8.6.2. Approach to Hirsutism. SAHA Syndrome

8.7. Medical Treatment of Alopecia. Active Therapeutic Principles Used in Trichology
- 8.7.1. Minoxidil
- 8.7.2. 5alpha-reductase Inhibitors and Other Antiandrogens
- 8.7.3. Prostaglandin Analogs
- 8.7.4. Corticosteroids and Other Anti-inflammatory Drugs
- 8.7.5. Immunosuppressive Drugs
- 8.7.6. Keratolytic and Antimicrobial Agents

8.8. Capillary Mesotherapy and its Utility in Aesthetic Medicine Consultations
- 8.8.1. Manual and Assisted Hair Mesotherapy Techniques. Microneedling Techniques. Use of Roller and Capillary Multifunction Devices
- 8.8.2. Allopathic Hair Mesotherapy. Indications, Drugs, and Medical Devices
- 8.8.3. Homeopathic Capillary Mesotherapy, Update
- 8.8.4. Complications and Adverse Effects of Hair Mesotherapy

8.9. Cosmetic Treatments in Trichology
- 8.9.1. Hair Care and Hair Cosmetic Products
  - 8.9.1.1. Cosmetic Shampoos and Therapeutic Shampoos
  - 8.9.1.2. Conditioners and Finishing/Styling Products
- 8.9.2. Coloring and Bleaching Dyes
- 8.9.3. Curling or Permanent Waving of Hair; Straightening of Hair
- 8.9.4. Hair Nutricosmetics
- 8.9.5. Micropigmentation and Microblading
- 8.9.6. Hair Integration Systems and Keratin Microfibers
- 8.9.7. Hair Removal Methods

8.10. Hair Transplant, Techniques, Indications, Stages and Postoperative Care
- 8.10.1. Types and Techniques. Strip and FUE Type Transplant. Assisted FUE
- 8.10.2. Indications and Patient Selection. Design
- 8.10.3. Material and Phases of the Hair Transplant Technique
- 8.10.4. Postoperative Care and Complications

Module 9. Communication

9.1. Introduction to Business Communication: Importance in the Health Sector
- 9.1.1. A New Communication Paradigm
- 9.1.2. The New Consumer
- 9.1.3. Marketing 3.0
- 9.1.4. The Evolution of the Health Sector

9.2. Communication Plan Design
- 9.2.1. The Importance of History
- 9.2.2. PESTEL Analysis
- 9.2.3. DAFO Analysis
- 9.2.4. From the Strategic Plan to the Tactical Plan
- 9.2.5. The Definition of *Target*
- 9.2.6. Action Plan

9.3. Online Reputation and Crisis Management. The Importance of Being Prepared
- 9.3.1. What Is a Crisis and How Can I Detect It?
- 9.3.2. Difference Between Brand Crisis and Brand Reputation
- 9.3.3. How to Build Brand Reputation on Social Media?
- 9.3.4. Brand Reputation Management
- 9.3.5. Crisis Prevention
- 9.3.6. Crisis Management

9.4. Inbound Marketing and the Importance of a Content Marketing Strategy
- 9.4.1. What is Inbound Marketing?
- 9.4.2. Difference with Traditional Marketing
- 9.4.3. Attract. Convert. Close. Delight

9.5. Organic Positioning (SEO) and Paid Positioning (SEM)
- 9.5.1. What Is SEO?
- 9.5.2. SEO Objectives
- 9.5.3. SEO Process
- 9.5.4. Popularity and Link Building
- 9.5.5. SEO vs. SEM
- 9.5.6. The Google Network
  - 9.5.6.1. Search Network
  - 9.5.6.2. Display Network

9.6. Social Media and Community Management
- 9.6.1. Social Media and Its Evolution in the Recent Years
- 9.6.2. Should a Brand be on Social Media?
- 9.6.3. The User of Social Networks: Profiles and Types
- 9.6.4. Main Social Channels and Their Characteristics

9.7. Digital Strategy Fundamentals
- 9.7.1. Paid, Owned and Earned Resources
- 9.7.2. The Conversion Cycle
- 9.7.3. The Definition of Objectives
- 9.7.4. A/B Experiments

9.8. Main Marketing Strategies
- 9.8.1. E-mail Marketing
- 9.8.2. Affiliate Marketing
- 9.8.3. Loyalty Marketing
- 9.8.4. Relationship Marketing

9.9. Social Media Marketing and Communication
- 9.9.1. Social Media Communication. What Does It Involve?
- 9.9.2. Definition of Brand Objectives
- 9.9.3. The Brand's Mission in Social Networks
- 9.9.4. Definition of the Target in Social Media: Social Persona
- 9.9.5. Social Media Campaigns

9.10. Social Media Reporting and Optimization. Monitoring and Measuring Results
- 9.10.1. Measurement and Reporting
- 9.10.2. Basic Concepts
- 9.10.3. Measurement Tools
- 9.10.4. Native Tools
- 9.10.5. Third-Party Tools
- 9.10.6. Study Methodology

Module 10. Genetics and Epigenetics of Systemic and Skin Anti-Aging. Therapeutic Implications

10.1. Introduction to the Concept of Systemic *Anti-Aging*, a Necessary Complement to Aesthetic Medicine
- 10.1.1. Man is a Mortal Being and Aging is an Inevitable Law of Nature. From Philosophy to Science
- 10.1.2. Life Expectancy, Longevity, and Cardiovascular Mortality
- 10.1.3. Chronological Age and Biological Age
- 10.1.4. Theories of Aging
- 10.1.5. Rationale for a Specific Medicine of Aging. Common Features of Aging. Slowing Down the Process and Improving Quality of Life as a Challenge of Modern Medicine
- 10.1.6. AA Medicine as a Complement to Aesthetic Medicine
- 10.1.7. Origins of Anti-Aging Medicine
  - 10.1.7.1. Birth of a New Medicine, Not Just a Term
  - 10.1.7.2. Historical Perspective
  - 10.1.7.3. The Precursors of Anti-Aging
  - 10.1.7.4. Present and Future Perspectives

10.2. Importance of the Medical History and a Good Initial Assessment for Our Anti-Aging Program to Be Truly Effective
- 10.2.1. The Location of the Medical History
- 10.2.2. Analytical Evaluation beyond the Conventional
- 10.2.3. Basic Functional and Imaging Tests
- 10.2.4. Basics of Genetics
- 10.2.5. Biomarkers
- 10.2.6. The Preference Given to Cardiorespiratory Fitness in the Initial Assessment as the Main Marker of Overall Mortality, Not Just CV
- 10.2.7. Other Tests

10.3. Genetic Aspects of Aging. Skin Aging
- 10.3.1. Genetics of Aging. Overview
- 10.3.2. Basic Gene Regulation
- 10.3.3. Genetics of Oxidative Stress and Antioxidant Battery
  - 10.3.3.1. Gene Regulation of ROS Production
  - 10.3.3.2. Gene Regulation of Intracellular Antioxidant Battery
  - 10.3.3.3. Peripheral Antioxidant Battery Regulation and the Prominent Role of Haptoglobin
- 10.3.4. Genetics of Sirtuin Enzymes Antioxidants of our DNA
- 10.3.5. The Skin as a Multicellular and Multifunctional Tissue
- 10.3.6. The Exciting World of Ceramides in the Skin and Outside the Skin
- 10.3.7. Gene-Environment Interaction in Skin aging

10.4. Genetics of Longevity and Epigenetics
- 10.4.1. Introduction
- 10.4.2. Paola Sebastiani and Elizabeth Blackburn's Major Contributions to the Field of Longevity
- 10.4.3. The Role of the Telomere in *Antiaging*
  - 10.4.3.1. Overview
  - 10.4.3.2. To what Extent Does the Percentage of Short Telomeres Contribute to the Initial Assessment and Monitoring of Successful Anti-Aging?
- 10.4.4. Introduction to Epigenetics and its Types
- 10.4.5. Epigenetic Mechanisms
  - 10.4.5.1. DNA Methylation
  - 10.4.5.2. Histone Modifications
  - 10.4.5.3. Chromatin Remodeling
  - 10.4.5.4. MicroRNA or Transcriptional Epigenetics

10.5. Nutritional Aspects in Medical-Aesthetic Treatments
- 10.5.1. Introduction
- 10.5.2. Types of Diets
- 10.5.3. Protein Diet. Assessment according to Causality and Intervention
- 10.5.4. Intermittent Fasting

10.6. Nutritional Chronobiology
- 10.6.1. Basis of Chronobiology
- 10.6.2. Biological Rhythms and Central Clock
- 10.6.3. Cerebral (Monoamines) and Peripheral (Hormones) Daily Rhythmicity
- 10.6.4. Circadian Rhythms and Food Intake
- 10.6.5. Micronutrition

10.7. The Secrets of Good Anti-Aging Supplementation with the Added Value of Skin Rejuvenation
- 10.7.1. Introduction
- 10.7.2. Skin Rejuvenation
- 10.7.3. Antioxidant Treatment
- 10.7.4. Phytonutrients and Probiotics
- 10.7.5. Retinoids and their Link to Epigenetics

10.8. "Comprehensive" Lifestyle Management as a Key Element in the Patients Epigenetic Approach
- 10.8.1. Why We Should Not Leave Everything to Supplementation?
- 10.8.2. "Comprehensive" Lifestyle Management as a Key Element in the Patients Epigenetic Approach
- 10.8.3. Improve your Patients Compliance with *Lifestyle* Measures

10.9. Chronic Stress as a Dynamic Element of the Aging Process. Modulation Strategies
- 10.9.1. Chronic Stress as a Dynamic Element of the Aging Process
- 10.9.2. Interaction Between Chronic Psychological Stress, Oxidative Stress, and Reticulum Stress
- 10.9.3. Chronic Stress Response Systems
- 10.9.4. Reserve Depletion, Metabolic Inflexibility, and Dysfunctionality
- 10.9.5. Modifiable Stress-Associated Categories of the HPA (*Hypothalamic-Pituitary-Adrenal*) Axis
- 10.9.6. Glycemic dysregulation and HPA Axis Dysfunction
- 10.9.7. Breaking the Cycle of Stress, Cortisol, Insulin, Adiposity, and Inflammation
- 10.9.8. Modulation Strategies. Overview
- 10.9.9. Therapeutic Approaches to Improving the Functionality of the HPA Axis
- 10.9.10. Supportive Nutraceuticals

10.10. Aesthetic Medicine in Oncology Patients
- 10.10.1. Oncology Patients. What is Cancer?
- 10.10.2. Oncology Patient Quality of Life and Aesthetic Medicine: the Healing Power of Image
- 10.10.3. Tests before Procedures in Oncology Patients
- 10.10.4. Intervention of the Aesthetic Practitioner Before, During, and After Oncological Treatment
- 10.10.5. Oncology Patient Nutrition

06

Methodology

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

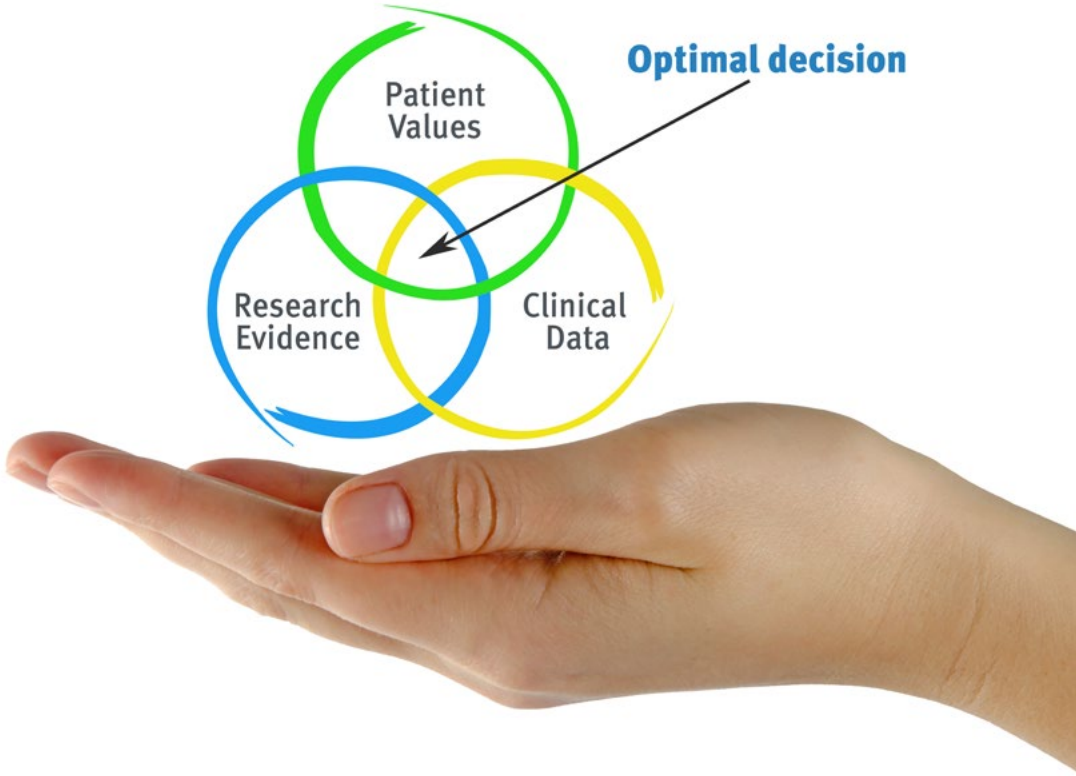
This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

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.

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:

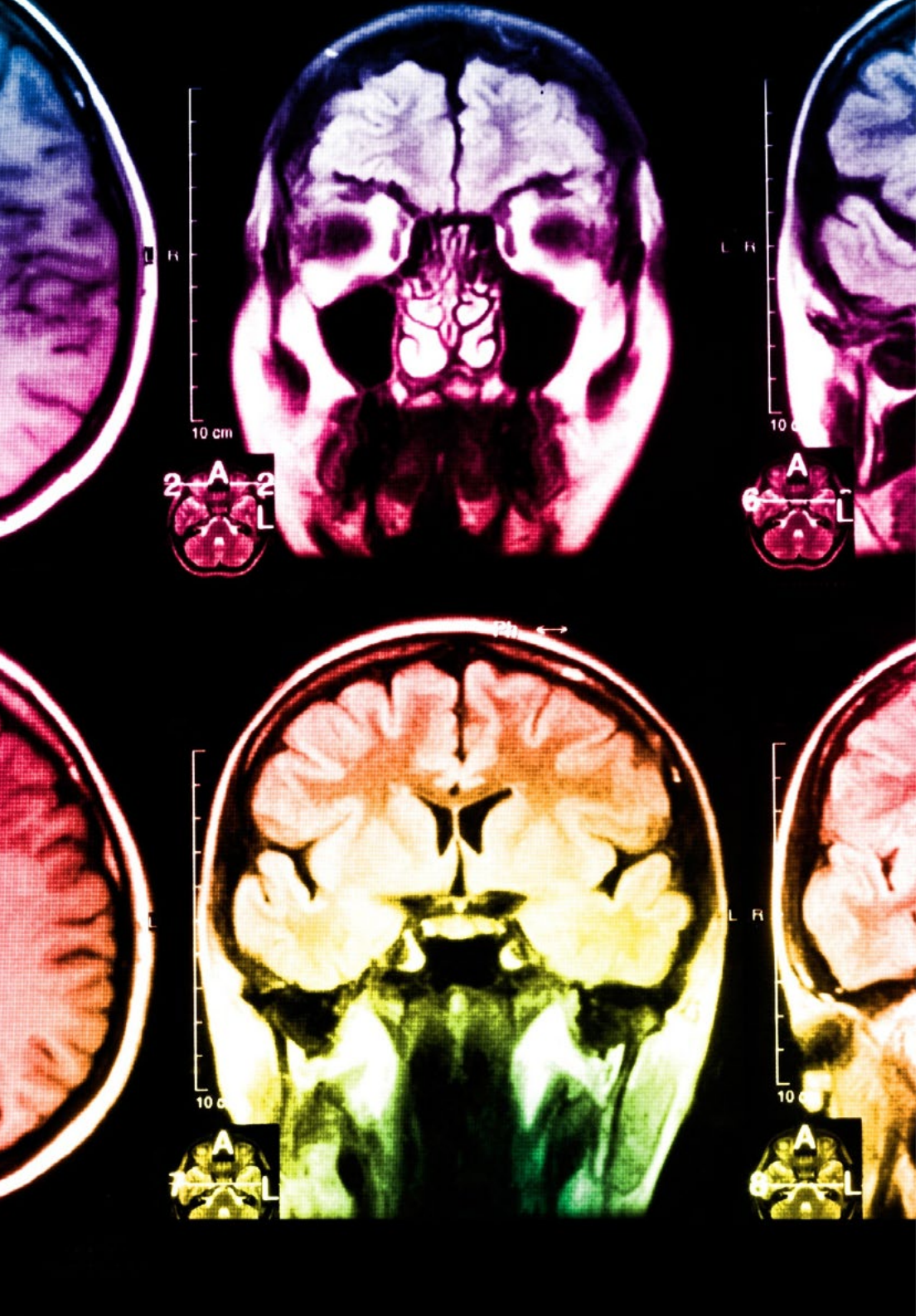
1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better 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.

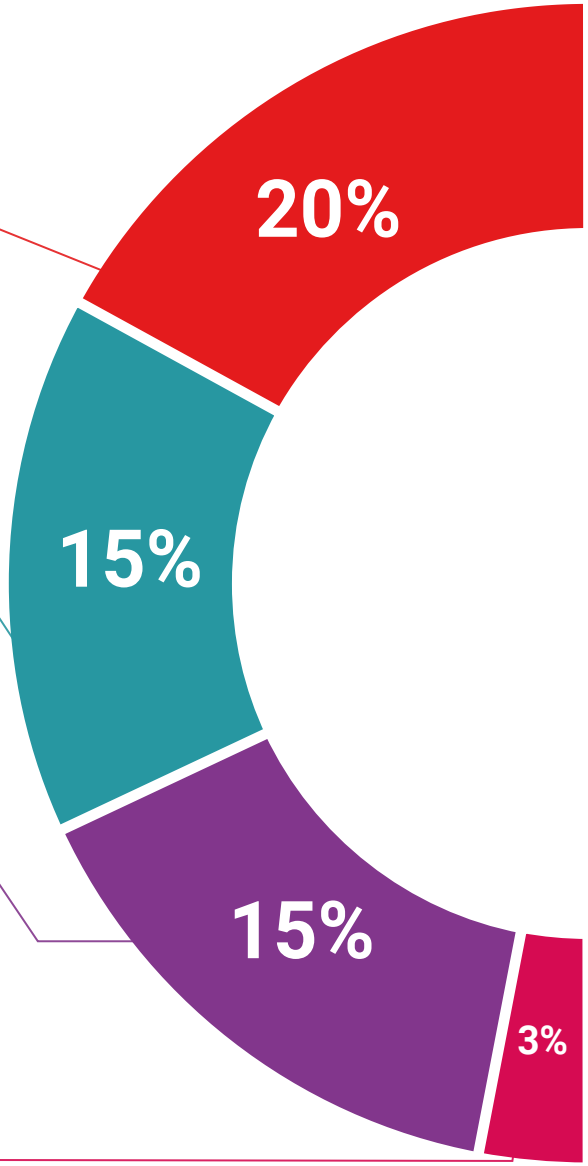
Interactive Summaries

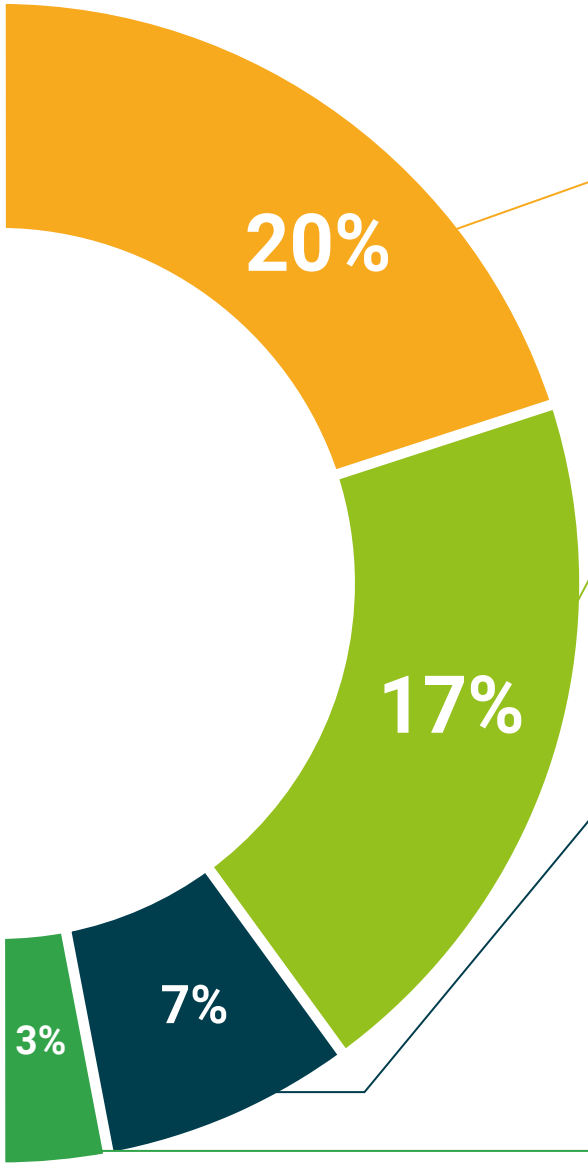
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.

07

Certificate

The Master's Degree in Aesthetic Medicine guarantees you, in addition to the most rigorous and updated training, access to a Master's Degree issued by TECH Global University.

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

This private qualification will allow you to obtain a **Master's Degree diploma 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** private qualification 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: **Master's Degree in Aesthetic Medicine**

Modality: **online**

Duration: **12 months**

Accreditation: **60 ECTS**

tech global university

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

Master's Degree in Aesthetic Medicine

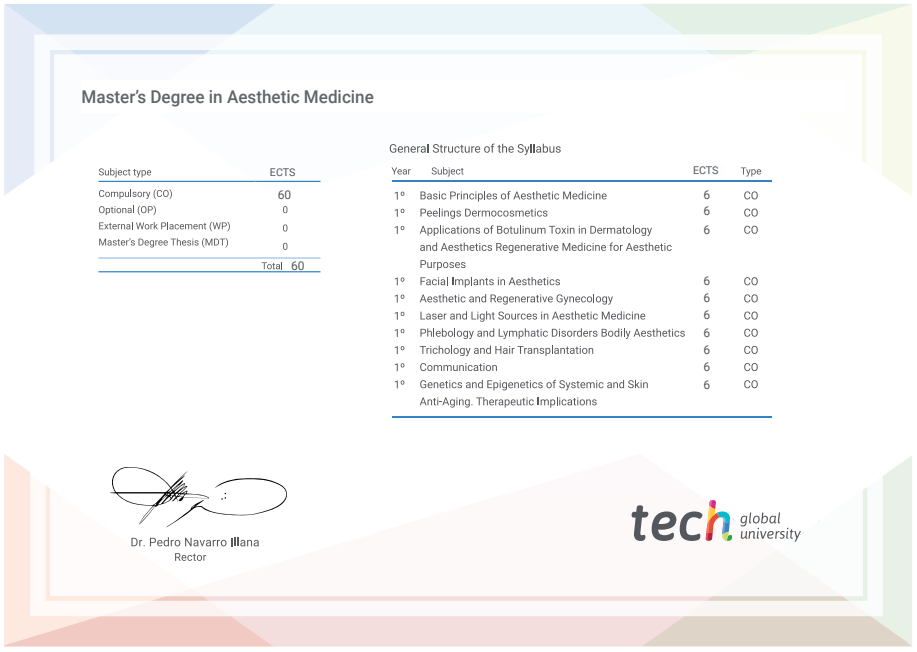
This is a private qualification of 1,800 hours of duration equivalent to 60 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

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
Dean

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



Master's Degree in Aesthetic Medicine

Subject type	ECTS
Compulsory (CO)	60
Optional (OP)	0
External Work Placement (WP)	0
Master's Degree Thesis (MDT)	0
Total	60

General Structure of the Syllabus

Year	Subject	ECTS	Type
1º	Basic Principles of Aesthetic Medicine	6	CO
1º	Peelings Dermocosmetics	6	CO
1º	Applications of Botulinum Toxin in Dermatology and Aesthetics Regenerative Medicine for Aesthetic Purposes	6	CO
1º	Facial Implants in Aesthetics	6	CO
1º	Aesthetic and Regenerative Gynecology	6	CO
1º	Laser and Light Sources in Aesthetic Medicine	6	CO
1º	Phlebology and Lymphatic Disorders Bodily Aesthetics	6	CO
1º	Trichology and Hair Transplantation	6	CO
1º	Communication	6	CO
1º	Genetics and Epigenetics of Systemic and Skin Anti-Aging. Therapeutic Implications	6	CO

Dr. Pedro Navarro Illana
Rector

tech global university

*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

Master's Degree
Aesthetic Medicine

- Modality: **online**
- Duration: **12 months**
- Certificate: **TECH Global University**
- Credits: **60 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Master's Degree
Aesthetic Medicine

tech global university