

Hybrid Master's Degree Update in Endocrinology



Hybrid Master's Degree Update in Endocrinology

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

Accreditation: 60 + 4 ECTS

Website: www.techtute.com/us/medicine/hybrid-master-degree/hybrid-master-degree-update-endocrinology

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01

Introduction

Endocrinologists, in their daily practice, is confronted with diseases of varying complexity and which are constantly addressed by different scientific research. For this reason, specialists must constantly seek to update their skills in the application of the most innovative procedures in the field. However, few educational programs offer professionals a program that brings them up to date in a theoretical and practical way on all these aspects. For this reason, TECH has created this degree that brings together the most innovative contents in the area of Endocrinology in a syllabus that the doctor can study 100% online from a platform with multiple multimedia resources. Afterwards, they will be able to benefit from a face-to-face and intensive stay where they will directly apply these new competences.



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You will master, thanks to TECH, the latest therapeutic procedures to intervene in pathologies derived from Diabetes such as Cardiopathies and Retinopathies”

In recent times, the medical sciences have devoted a great deal of research to the search for more comprehensive diagnostic and treatment methods for hormonal and metabolic pathologies within the human body. This context has generated a continuous updating of strategies and techniques for the approach of patients suffering from health problems such as Diabetes, Obesity, Hypothyroidism, Thyroid, among others. At the same time, the Endocrinology professional faces a pedagogical market where the educational options do not address with equal relevance the theoretical and practical mastery of all these aspects.

TECH wants to distinguish itself in the midst of this context and therefore has designed a mode of study that fits the needs of the endocrinologist. This Hybrid Master's Degree consists of two distinct stages, although, from each of them, the adequate preparation of students is guaranteed. Firstly, doctors will have a theoretical phase, with 1,920 hours of duration. During this period, they will analyze the care modalities for various problems. Among them, the approach to women with Polycystic Ovary Syndrome and the necessary treatments to prevent infertility will be distinguished; also the strategies to monitor cardiac and visual pathologies derived from Diabetes, and much more. For the mastery of these contents, specialists will be supported by a 100% online learning platform and innovative didactic methods such as Relearning.

Upon completion of these theoretical studies, professionals will have the opportunity to carry out a practical and face-to-face stay in state-of-the-art hospitals. Their transit through these institutions, which lasts 3 weeks, will allow them to apply the procedures learned directly in real cases. In addition, they will be guided by experts of international prestige who will supervise their academic progress at the same time that they will facilitate the handling of complete tools that nowadays distinguish the evolution of the area of Endocrinology.

This **Hybrid Master's Degree in Update in Endocrinology** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Development of more than 100 clinical cases presented by endocrinologists with extensive experience in hormonal examination and nutritional care of patients with complex pathologies
- ♦ 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
- ♦ Monitoring of patients undergoing innovative Artificial Nutrition treatments and innovative Insulinotherapies
- ♦ Clinical practice guidelines to develop a holistic approach to patients with Endocrinological emergencies
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ All of this will be complemented by 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
- ♦ Furthermore, you will be able to carry out a clinical internship in one of the best hospital centers

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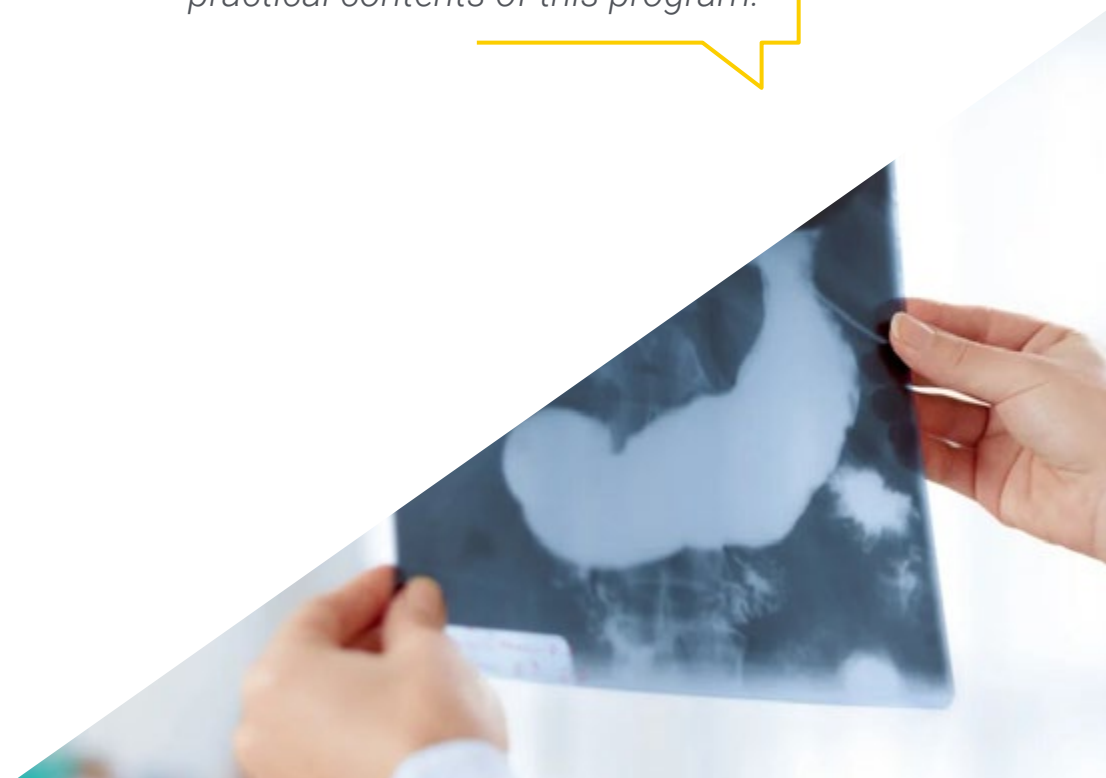
Throughout the 3 weeks of this Hybrid Master's Degree, you will analyze the most innovative treatments to stop infertility in women with Polycystic Ovary Syndrome”

In this proposed Hybrid Master's Degree, of professionalizing character and blended mode, the program is aimed at updating professionals in the field of Endocrinology who wish to be updated on the latest procedures for the diagnosis and treatment of pathologies analyzed by this medical specialty. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge in the health practice.

Thanks to the multimedia content, developed with the latest educational technology, Medicine professionals will benefit from contextual learning, i.e., a simulated environment that will provide immersive learning programmed to train in real situations. This program is designed around Problem-Based Learning, whereby the professional must try to solve the different professional practice situations that arise throughout the program. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

This study plan is all you need to get up to date on the most innovative hormonal tests that allow for more accurate diagnoses in today's endocrinology patients.

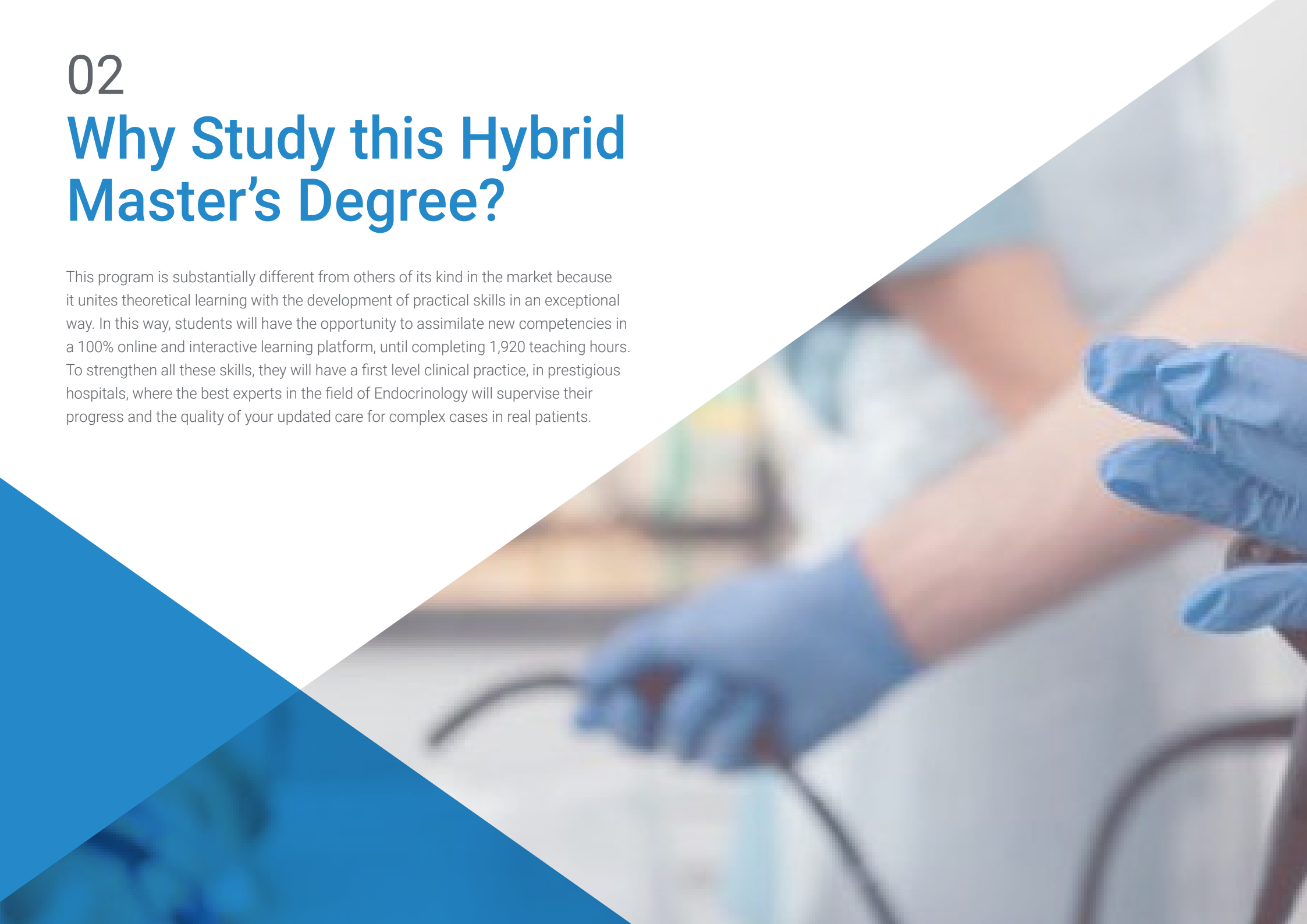
Update your skills in the management of insulin-dependent patients with Diabetes through the theoretical and practical contents of this program.



02

Why Study this Hybrid Master's Degree?

This program is substantially different from others of its kind in the market because it unites theoretical learning with the development of practical skills in an exceptional way. In this way, students will have the opportunity to assimilate new competencies in a 100% online and interactive learning platform, until completing 1,920 teaching hours. To strengthen all these skills, they will have a first level clinical practice, in prestigious hospitals, where the best experts in the field of Endocrinology will supervise their progress and the quality of your updated care for complex cases in real patients.



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TECH has uniquely combined practical and theoretical learning in this academic program, a pioneer of its kind in the educational market”

1. Updating from the latest technology available

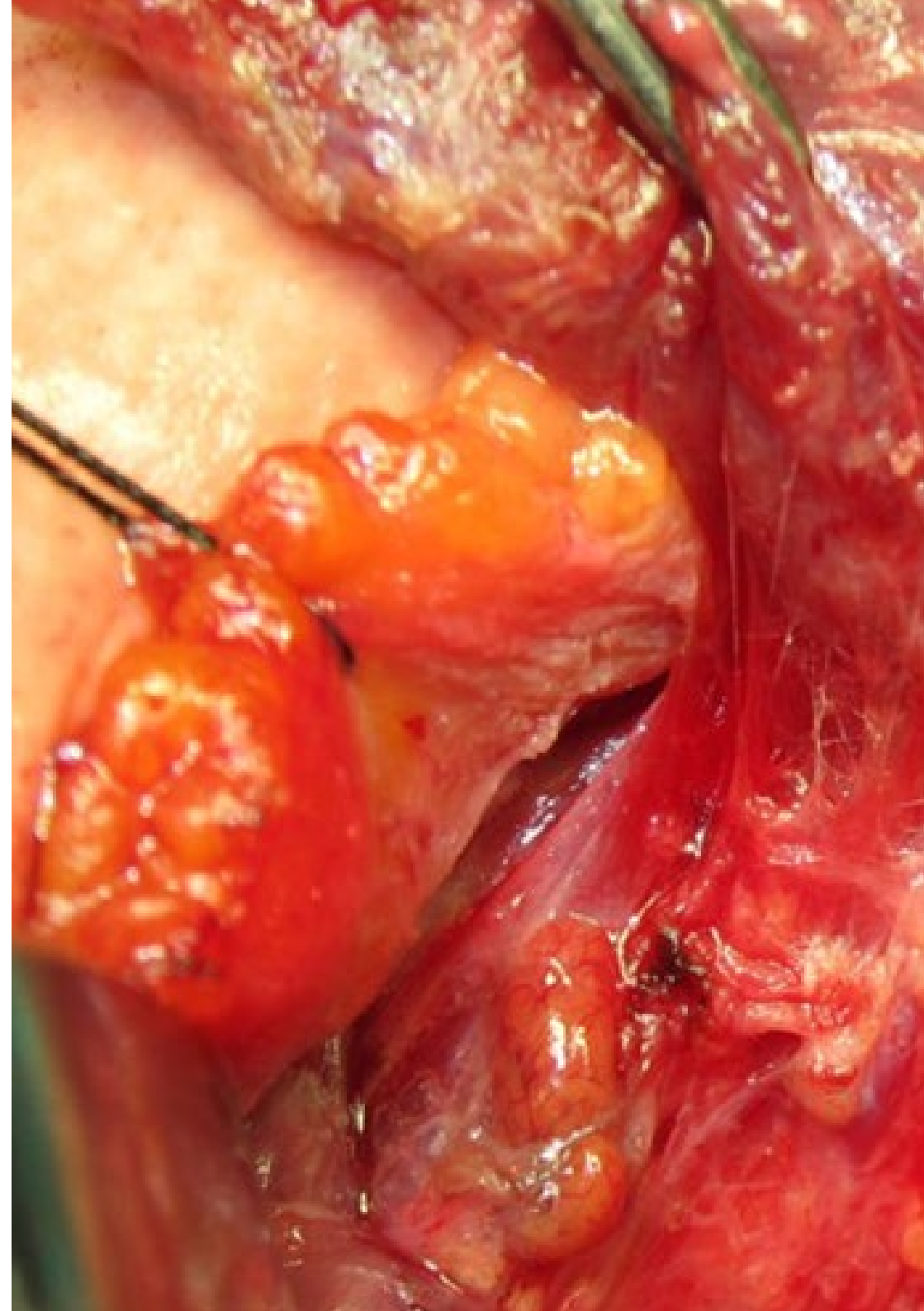
The area of Endocrinology is advancing by giant leaps from the point of view of scientific research and, therefore, has managed to implement various technological advances. In this program, physicians will analyze new tools for the application of Artificial Nutrition techniques, Insulinotherapies and diagnostic tests of updated rigor. After completing this program, they will be able to apply all of them in their daily professional practice.

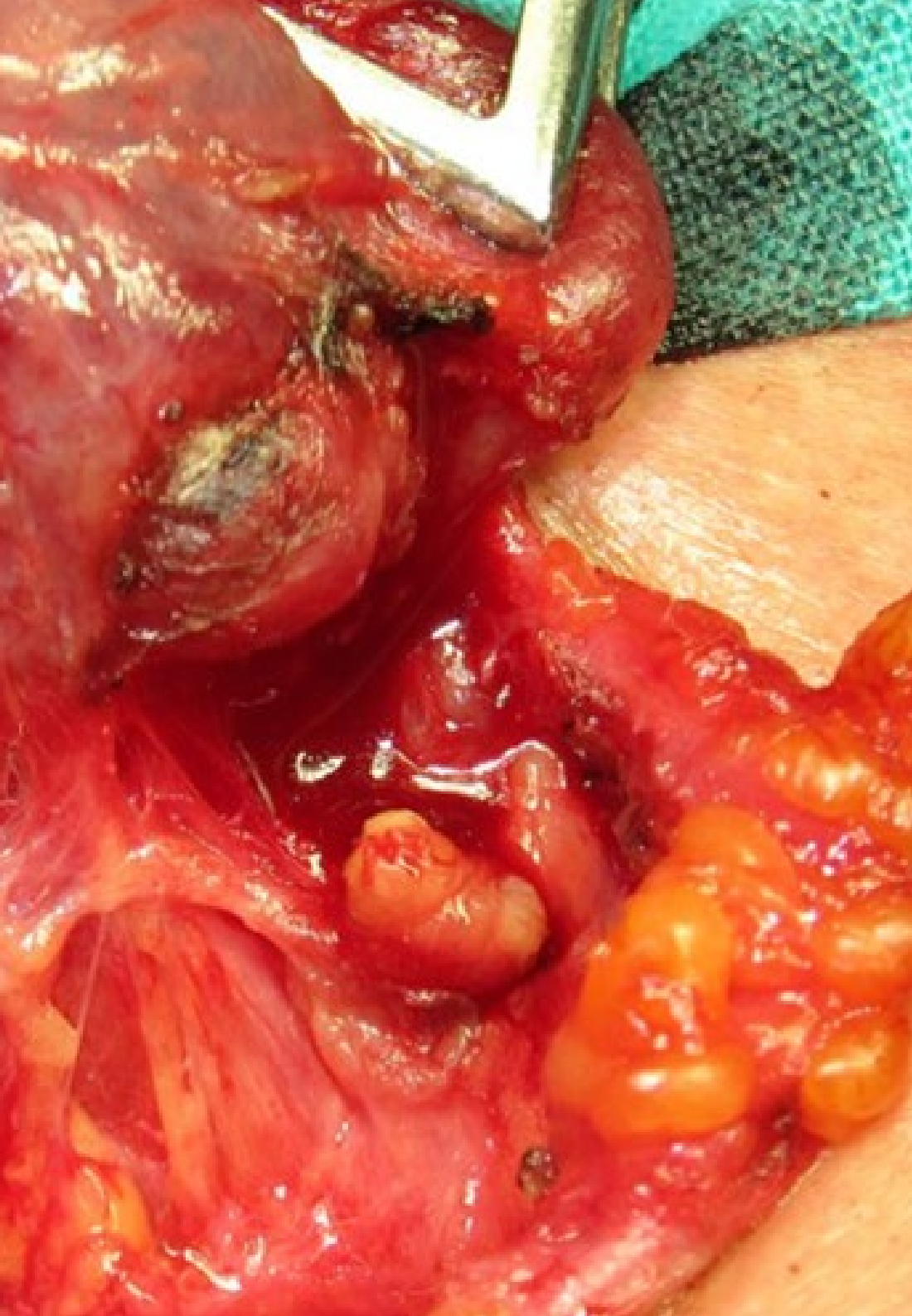
2. Gaining in-depth knowledge from the experience of top specialists

During the two learning phases that make up this Hybrid Master's Degree, the endocrine specialist will have access to the best specialists in this health sector. First of all, they will have access to an excellent faculty that will clarify doubts and concepts of interest in the theoretical stage. In addition, during the internship, they will work directly with distinguished experts in the most renowned and competitive hospital centers.

3. Entering first-class clinical environments

For the internship program of this program, TECH has made a careful selection. Therefore, physicians will have access to first class healthcare environments, in which they will be able to handle the most innovative technologies on the market. At the same time, they will be guided by prestigious specialists who will help them to be updated in the application of the most recent procedures in Endocrinology.





4. Combining the best theory with state-of-the-art practice

During a 3-week stay in a prestigious hospital center, doctors will put into practice everything they have learned in the theoretical phase of this Hybrid Master's Degree. Therefore, from the first moment, they will deal with real cases with endocrinological pathologies, developing an updated vision of the techniques and tools for the therapy and diagnosis of these pathologies.

5. Expanding the boundaries of knowledge

TECH, the world's largest online university, aspires that all its students have a first class education, according to the most up-to-date international standards in Endocrinology. For this reason, the professional who is studying this Hybrid Master's Degree, will have the opportunity to choose different medical centers for their practical internship, which will be located in different continents.



You will have full practical immersion at the center of your choice"

03 Objectives

This Hybrid Master's Degree has been designed by TECH to prepare Endocrinology professionals in the application of the most innovative procedures within this scientific field. The physician will acquire these skills in two distinct educational stages. The first one will facilitate the assimilation of theoretical contents from a 100% online and interactive learning platform. Afterwards, they will be able to attend a clinical internship of 120 educational hours in which they will be able to put into practice all the subjects previously covered in the healthcare of real cases.



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This program of studies will update you on the evaluation criteria of patients with Artificial Nutrition requirements through percutaneous endoscopic gastrostomy techniques”



General Objective

- As a general objective, this Hybrid Master's Degree in Update in Endocrinology aims to provide professionals with a fast and flexible way of acquiring a high level of mastery of the latest advances in this health sector. Doctors will delve into the most up-to-date technological tools for the diagnosis and treatment of complex pathologies, including metabolic disorders, diabetes and other hormonal conditions. Likewise, they will develop the ability to put into practice everything they have learned during a face-to-face and immersive stay where they will be guided by internationally renowned experts



Through two distinct academic stages, TECH will update you on the main theoretical and practical developments in the field of Endocrinology"



Specific Objectives

Module 1. Hypothalamus, Pituitary and Autoimmune Pathology

- Update knowledge in biology, biochemistry and physiopathology of the endocrine system
- Delve into the main clinical entities that affect the hypothalamus-pituitary axis
- Delve into the autoimmune polyglandular syndromes

Module 2. Thyroid Gland, Parathyroid Gland and MEN

- Update knowledge on the main pathologies affecting the thyroid gland and know the main diagnostic algorithms in these diseases
- Delve into the laboratory findings that can lead us to the diagnosis of the main parathyroid diseases
- Interpret the clinical findings that should make us suspect the existence of a multiple endocrine neoplasia

Module 3. Disorders of the Adrenal Glands

- Provide and expand clinical and pathophysiological data in the main endocrine pathologies affecting the adrenal glands
- Incorporate the use of the main diagnostic algorithms in the achievement of the most clinically prevalent clinical judgments

Module 4. Obesity, Metabolic Syndrome and Dyslipidemia

- Update knowledge on obesity and its pharmacological treatments
- Delve into the approach and classification of the metabolic syndrome, as well as the profound impact it is having on the healthcare landscape
- Discuss and interpret the findings in lipid profile and the development of therapeutic knowledge that has been generated in recent years in this field

Module 5. Diabetes Mellitus

- ♦ Provide and expand knowledge on the pathogenesis and pathophysiology of diabetes mellitus
- ♦ Provide the basis of knowledge of the main chronic complications (micro and macrovascular) of this pathology
- ♦ Discuss the different therapeutic options of this endocrinological disease

Module 6. Endocrinological Emergencies

- ♦ Know the most frequent causes that occur in the most common endocrine and metabolic emergencies with more incidence, developing the activities to be performed in the patient in the situations described in the contents
- ♦ Prioritize the actions to be performed according to their importance for the patient's life
- ♦ Identify the differential diagnosis in relation to the metabolic and electrolyte alterations of these pathologies
- ♦ Recognize the importance of the evaluation of blood analysis and metabolic values in the detection of related problems

Module 7. Intermediate Metabolism and Bone Metabolism Disorders

- ♦ Update knowledge in this heterogeneous field of pathologies, especially in the clinical and diagnostic concept
- ♦ Provide and expand knowledge about the skeletal system and related diseases in this field

Module 8. Clinical Nutrition and Dietetics

- ♦ Update knowledge in the field of dietetics and its connection with the most prevalent diseases and in which its knowledge can be transcendental to achieve a favorable clinical evolution
- ♦ Know the different types of nutrition, their indications, their singularities and their mechanics of administration

Module 9. Women and Endocrinology

- ♦ Delve into the knowledge of female sex hormones throughout a woman's life
- ♦ Update the singularities of endocrinological diseases in pregnant women
- ♦ Review the most important clinical knowledge in human reproduction

Module 10. Miscellaneous

- ♦ Delve into the approach in the study of hypogonadism and the main algorithms involved in its study
- ♦ Update on the singularities of endocrinological diseases of the elderly patient
- ♦ Review the most important clinical knowledge in the detection of arterial hypertension of endocrinological origin
- ♦ Delve into the role of the endocrine system in the nervous and cardiovascular systems
- ♦ Gain profound knowledge of gastrointestinal hormones in the control of intake

04 Skills

Upon completion of this Hybrid Master's Degree in Update in Endocrinology, health professionals will be able to choose and handle the most modern diagnostic tools adjusted to the needs of each clinical case. At the same time, they will implement innovative treatments whose mastery will have been achieved thanks to the direct care of real cases.



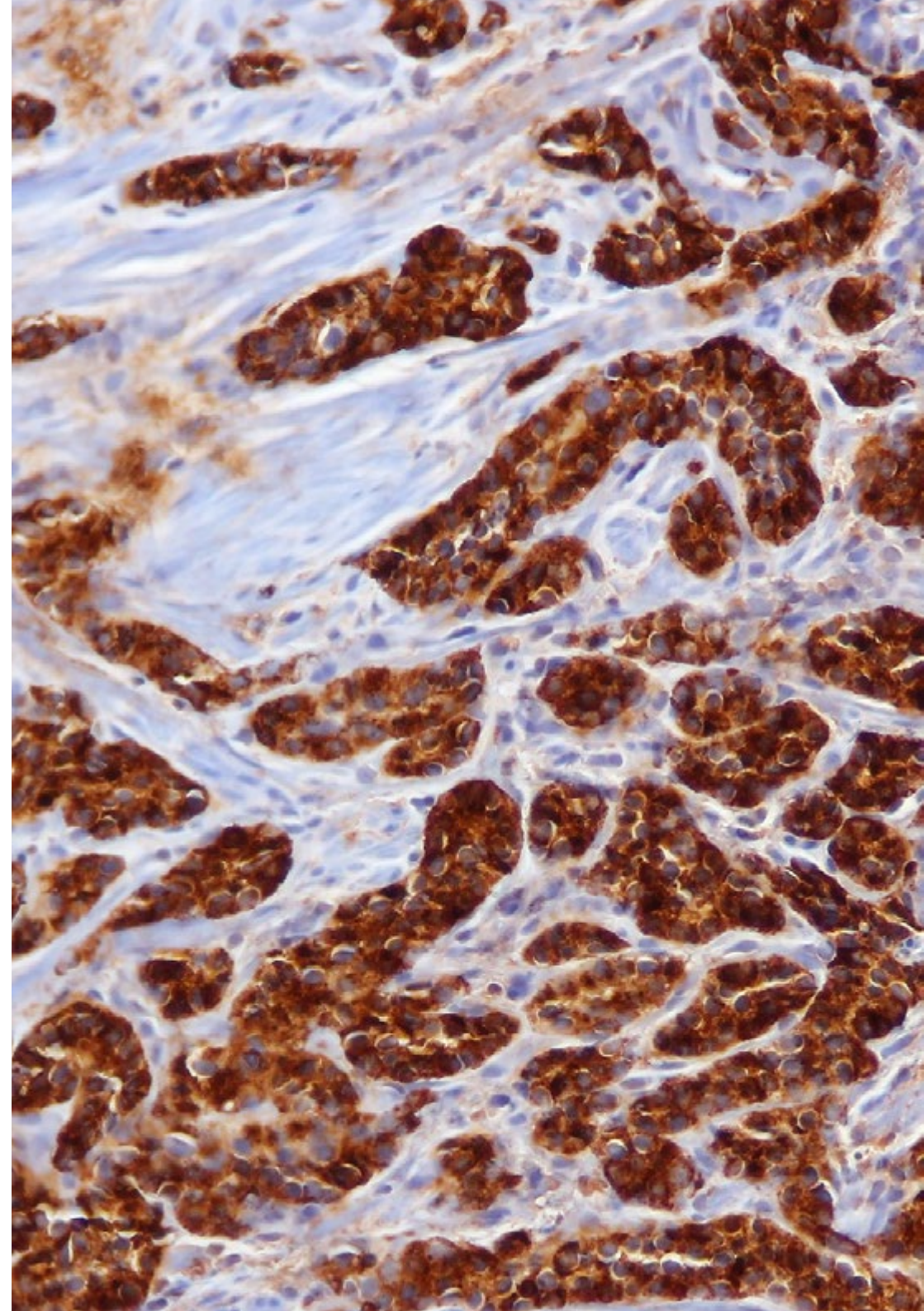
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With this program, you will delve into the main diagnostic techniques and therapeutic aspects that solve health problems in patients with severe endocrinological diseases”



General Skills

- ♦ Possess and understand knowledge that provides an opportunity in the context of Endocrinology
- ♦ Apply acquired knowledge and problem-solving skills in a broad and solvent clinical setting
- ♦ Integrate knowledge and face complex clinical situations, including pathophysiological reflections linked to the application of knowledge
- ♦ Communicate your findings to both specialized and non-specialized audiences in a clear and unambiguous manner
- ♦ Possess the learning skills that will allow them to continue studying in a self-directed and/or autonomous way





Specific Skills

- ♦ Create a global and updated vision of the topics addressed, acquiring a useful and deep knowledge
- ♦ Generate interest to broaden knowledge in this area and discover its application to daily clinical practice
- ♦ Understand the process of knowledge discovery that includes the reading of specific information, contextualization and transversality with other medical branches
- ♦ Understand how to evaluate the performance of learning algorithms, both supervised and unsupervised
- ♦ Know the most relevant diagnostic techniques and therapeutic aspects in this field of medicine



Enroll in TECH and acquire high-level skills under the personalized guidance of experienced teachers and an assistant tutor who will accompany you throughout your practical training”

05

Course Management

For this Hybrid Master's Degree, TECH has brought together the best experts in the field of Endocrinology. This excellent faculty has extensive experience in this medical discipline and, at the same time, they keep up to date with the most recent innovations within it. From this constant updating, teachers have developed a very complete syllabus that will help the endocrinologist to assimilate highly complex theoretical concepts, as well as to understand the operation and scope of new therapeutic and diagnostic tools.



A close-up photograph of a surgical procedure. A pair of surgical forceps is holding a piece of white, fatty tissue. A scalpel is visible in the lower part of the frame, and the surgical site is surrounded by red, vascularized tissue. The background is a dark blue surgical drape.

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The teachers of this program will facilitate the learning of the main developments of Endocrinology through theoretical classes, audiovisual materials and interactive resources of great didactic value”

International Guest Director

Awarded on multiple occasions for her contribution to the field of Medicine, Dr. Susan Samson is a prestigious physician highly specialized in **Endocrinology, Diabetes and Metabolism**. In fact, she has devoted most of her professional career to optimizing the overall well-being of patients with endocrine disorders, ranging from Diabetes Mellitus to Hyperthyroidism.

Therefore, she has carried out her duties in health institutions of international reference such as the Mayo Clinic Hospital in the United States. Among her main achievements, she has developed innovative evaluation methodologies based on the latest scientific evidence. This has enabled healthcare professionals to design **personalized** and more effective **treatments**, taking into account the specific needs of each user. At the same time, it has implemented various **monitoring programs** based on emerging technologies such as **Telemedicine** and even **Artificial Intelligence**. Thanks to this, it has enabled real-time monitoring of the clinical status of numerous individuals with **chronic diseases** to improve their quality of life.

On the other hand, she has balanced these tasks with her role as **President of the American Association of Clinical Endocrinology**. In this way, she has contributed significantly to the creation of **care protocols** for people with different conditions. She has also collaborated with regulatory agencies to develop **health policies** to address the optimization of care for patients with long-term conditions.

In her commitment to clinical excellence, she has led several scientific research projects in areas ranging from addressing **Pituitary Pathologies or Acromegaly to Cushing's Disease**. Likewise, these findings have driven advances to maximize the quality of care. In this sense, her work has been rewarded in the form of awards, such as the "Rising Star Award" given by the Baylor College of Medicine for her outstanding leadership.



Dr. Samson, Susan

- President of the Department of Endocrinology at Mayo Clinic Hospital in Florida, United States
- President of the American Association of Clinical Endocrinology
- Director of the Baylor St. Luke's Pituitary Center in Texas
- Internship in Endocrinology, Diabetes and Metabolism at Baylor College of Medicine
- M.D. from Queen's University
- Doctor of Philosophy with specialization in Molecular Biology, University of Calgary.
- Member of the Royal College of Physicians and Surgeons of Canada

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Thanks to TECH, you will be able to learn with the best professionals in the world”

Management



Dr. Gargantilla Madera, Pedro

- ♦ Chief of the Internal Medicine Service at El Escorial University Hospital
- ♦ Assistant Physician of the Emergency Department at La Paz University Hospital
- ♦ Scientific disseminator and regular contributor to several media outlets such as RNE, ABC, Huffington Post
- ♦ Degree in Medicine from the Complutense University of Madrid.
- ♦ Member of: Association of Medical Writers and Artists (ASEMEYA)

Professors

Dr. Albi Rodríguez, María Salomé

- ♦ Specialist in Pediatrics and Pediatric Neumology
- ♦ Assistant of the Pediatrics Department, 12 de Octubre University Hospital of Madrid
- ♦ Doctor in Medicine and Surgery at the Autonomous University of Madrid
- ♦ University Degree in Medicine and Surgery at the Complutense University of Madrid
- ♦ Member of Neumomadrid

Dr. Belda Bilbao, Luis

- ♦ Medical Specialist in Internal Medicine at El Escorial Hospital
- ♦ Master's Degree in Cardiovascular Diseases at the University of Barcelona
- ♦ University Expert in HIV Infection and Associated Diseases by Miguel Hernández University

Dr. Calvo Urrutia, Marta

- ♦ Associate Physician at the Institute of Women's Health
- ♦ Professor Botella Llusía San Carlos Clinical Hospital
- ♦ Coordinator of the Reproduction Unit of ISM Botella Llusía
- ♦ Gynecologist Specialized in Assisted Reproduction at the URH Garcia del Real
- ♦ Doctor Cum Laude in Gynecology and Obstetrics from the Complutense University of Madrid
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid
- ♦ Specialist in Obstetrics and Gynecology in San Carlos Clinical Hospital
- ♦ Master's Degree in Human Reproduction from Rey Juan Carlos I University

Dr. Cuenca Abarca, Ana Belén

- ♦ Specialist in Internal Medicine at El Escorial Hospital
- ♦ Specialist in Internal Medicine at Puerta de Hierro Majadahonda University Hospital
- ♦ Clinical teaching collaborator at Francisco de Vitoria University
- ♦ PhD in Medicine and Surgery from the Autonomous University of Madrid
- ♦ Degree in Medicine from Castilla-La Mancha University

Dr. Climent Martínez, Nieves

- ♦ Specialist in Gynecology and Obstetrics at Alcorcón Foundation University Hospital
- ♦ Gynecology Resident Tutor at Alcorcón Foundation University Hospital
- ♦ Degree in Medicine from the University of Valencia and the University of Bonn
- ♦ Master's Degree in Pelvic Floor Pathology and Surgery from Miguel Hernández University of Elche

Dr. Barrio Martínez, Nina Marina

- ♦ Specialist Physician in Gynecology and Obstetrics
- ♦ Medical Specialist in the Department of Gynecology and Obstetrics at Alcorcón Foundation University Hospital
- ♦ Speaker at specialized conferences and congresses
- ♦ Author of several publications in renowned national journals

Dr. Carrasco Lara, Pablo

- ♦ Specialist Physician in Endocrinology and Nutrition at El Escorial University Hospital
- ♦ Specialist Physician in Endocrinology and Nutrition at La Luz Hospital
- ♦ Specialist Physician in Endocrinology and Nutrition in the Clinical Nutrition and Dietetics Unit at the Gregorio Marañón General University Hospital
- ♦ Specialist Physician in Endocrinology and Nutrition at Getafe University Hospital
- ♦ Specialist Physician in Endocrinology and Nutrition at Fuenlabrada University Hospital
- ♦ Graduated in Medicine from Rey Juan Carlos University
- ♦ Specialty in Endocrinology and Nutrition via MIR at Getafe University Hospital
- ♦ Master's Degree in Integration and Clinical Problem Solving in Medicine from the University of Alcalá
- ♦ Master's Degree in Clinical Nutrition in Medicine, CEU Cardenal Herrera University
- ♦ Expert in Chronic Complications of Diabetes Mellitus by the University of Barcelona

Dr. De la Fuente Bitaine, Laura

- ♦ Coordinator of the Reproduction Unit at 12 de Octubre University Hospital
- ♦ Specialist in Gynecology and Obstetrics at 12 de Octubre University Hospital
- ♦ Member of the Human Reproduction Unit at Tambre Clinic
- ♦ Coordinator of the Public Centers Interest Group of the Spanish Fertility Society
- ♦ Co-director of the Master's Degree in Human Reproduction at the Complutense University of Madrid and the SEF
- ♦ Associate Professor at the Complutense University of Madrid
- ♦ Doctor Cum Laude in Medicine from the Complutense University of Madrid
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid

Dr. García Tobaruela, Almudena

- ♦ Specialist in Internal Medicine at El Escorial Hospital
- ♦ Assistant Physician of the Emergency Department at El Escorial Hospital
- ♦ Assistant Physician of the Emergency Department at La Paz University Hospital
- ♦ Medical Specialist in Internal Medicine with training at La Paz University Hospital
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid

Ms. Llinás Prieto, Lucía

- ♦ Nurse Practitioner in Gynecological Care
- ♦ Teacher
- ♦ Diploma in Nursing

Dr. Fiorante, Silvana

- ♦ Specialist in Internal Medicine and Infectious Diseases at El Escorial Hospital Madrid
- ♦ Specialist in Internal Medicine at Ávila Health Care Complex
- ♦ Specialist in Internal Medicine at the Spanish Agency for International Cooperation (AECID)
- ♦ Specialist in Internal Medicine at Agudos José Interzonal General Hospital San Martín, Buenos Aires
- ♦ Clinical Researcher in HIV-AIDS at 12 de Octubre University Hospital Foundation
- ♦ Doctor Cum Laude in Medicine and Surgery at the Complutense University of Madrid
- ♦ Medical Degree from the National University of La Plata
- ♦ Master's Degree in HIV-AIDS from the International AIDS Society
- ♦ Master's Degree in Infectious Diseases of the Immunosuppressed Patient by the Complutense University of Madrid
- ♦ Master's Degree in HIV Infection by the Ministry of Health, Consumption and Social Welfare by Rey Juan Carlos University
- ♦ Master's Degree in Clinical Management of Care Units by the Menéndez Pelayo International University

Dr. López Velasco, Nuria

- ♦ Specialist in Gynecology at Alcorcón Foundation University Hospital
- ♦ Gynecologist Specialist in Assisted Human Reproduction in GINEFIV
- ♦ Specialist in Human Reproduction at Ruber Internacional Clinic
- ♦ Assistant Specialist in Gynecology and Obstetrics at HM Montepíncipe University Hospital
- ♦ Doctor of Medicine from the Complutense University of Madrid.
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid
- ♦ Master's Degree in Assisted Human Reproduction from the Complutense University of Madrid
- ♦ Master's Degree in Minimally Invasive Surgery in Gynecology by CEU Cardenal Herrera University
- ♦ Member of SEF

Dr. Martín Cabrejas, Berta María

- ♦ Specialist in Gynecology and Obstetrics at Alcorcón Foundation University Hospital
- ♦ Gynecologist Specialized in Assisted Reproduction in Ginefiv
- ♦ Specialist in Gynecology at the General Hospital of Segovia
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid
- ♦ Specialist in Gynecology and Obstetrics via MIR
- ♦ Master's Degree in Human Reproduction by the Complutense University of Madrid
- ♦ Master's Degree in Health Management from the Distance University of Madrid

Dr. Montoro Lara, Juan

- ♦ Specialist in Internal Medicine at El Escorial University Hospital
- ♦ Clinical Teaching Collaborator at Francisco de Vitoria University
- ♦ Clinical Teaching Collaborator at the Autonomous University of Madrid
- ♦ Master's Degree in Emergency Medical Care at the University of Barcelona
- ♦ Master's Degree in Hyperbaric Medicine at the University of Barcelona
- ♦ University Expert in Clinical Ultrasound by the University of Barcelona

Dr. Martín de Francisco, Elisa

- ♦ Medical Specialist in Geriatrics at El Escorial Hospital
- ♦ Medical Specialist in Geriatrics at Infanta Elena University Hospital
- ♦ General Emergency Physician at Infanta Cristina University Hospital
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid
- ♦ Specialization in Geriatrics at the University Hospital of Getafe

Dr. Ortega Carbonell, Amaya

- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Assistant of Gynecology and Obstetrics at Alcorcón Foundation University Hospital of Madrid (HUFA)

Dr. Pérez Blanco, Carmen

- ♦ Specialist Physician in Endocrinology and Nutrition
- ♦ Specialist Physician in Endocrinology and Nutrition at El Escorial Hospital
- ♦ Specialist Physician in Endocrinology and Nutrition at 12 de Octubre and Getafe University Hospital
- ♦ Degree in Medicine from the Autonomous University Madrid
- ♦ Specialty in Endocrinology and Nutrition at Getafe University Hospital
- ♦ Master's Degree in Bases for the Care and Education of Persons with Diabetes by the University of Barcelona
- ♦ Diploma in the Treatment of Diabetes Mellitus type 2: future experts in diabetes by the Autonomous University of Barcelona
- ♦ Master's Degree in Clinical Nutrition in Medicine by CEU Cardenal Herrera University

Dr. Torres Rodríguez, Enrique

- ♦ Specialist in Emergency and Critical Care Medicine
- ♦ Director of El Escorial Hospital
- ♦ Chief of the Emergency Department at El Escorial Hospital
- ♦ Emergency Physician at the University Hospitals of Leicester
- ♦ Emergency and Critical Care Physician at the Costa del Sol Hospital
- ♦ Emergency Physician at La Paz University Hospital
- ♦ Emergency Physician at HM Montepíncipe Hospital
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid

Dr. Mattei, Isabella

- ♦ Specialist in Endocrinology and Nutrition
- ♦ Specialist in Endocrinology and Nutrition at 12 de Octubre University Hospital
- ♦ Specialist in Endocrinology and Nutrition at the Jiménez Díaz Foundation University Hospital
- ♦ Degree in Medicine and Surgery from the University of Florence

Dr. Álvarez Gómez, Esther

- ♦ Medical Specialist in Geriatrics
- ♦ Medical Specialist in Geriatrics at El Escorial Hospital in Madrid
- ♦ Area Specialist Physician at San José de Teruel Hospital
- ♦ Geriatric Specialty Residency at Nuestra Señora de Gracia Hospital
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Master's Degree in Bioethics at the University of La Rioja
- ♦ Master's Degree in Palliative Care in CEU Cardenal Herrera

Dr. Romero Guadix, Bárbara

- ♦ Specialist Physician in Obstetrics and Gynecology
- ♦ Specialist Physician in Obstetrics and Gynecology at Virgen de las Nieves University Hospital
- ♦ Coordinator of the Public Centers Interest Group of the Spanish Fertility Society
- ♦ Author of the Master's Degree in Human Sterility and Infertility of the Spanish Society of Gynecology and Obstetrics
- ♦ Doctor of Medicine and Surgery from the University of Granada

Dr. Miguélez González, María

- ♦ Attending Physician of Endocrinology and Nutrition at Jiménez Díaz Foundation University Hospital of Madrid
- ♦ Degree in Medicine from the University of Valladolid
- ♦ Teaching collaborator in seminars given to students at the Complutense University of Madrid
- ♦ Professor of the Master's Degree Expert in Obesity and Metabolic Complications, endorsed by SEEDO

Dr. Brox Torrecilla, Noemi

- ♦ Specialist in Endocrinology and Diabetes at the Gregorio Marañón University Hospital in Madrid
- ♦ Researcher of the Gregorio Marañón Health Research Institute of Madrid
- ♦ Graduate in Medicine from the University of Castilla-La Mancha

Dr. Castillo Carvajal, Gabriela

- ♦ Specialist Physician in Endocrinology and Nutrition at Rey Juan Carlos University Hospital
- ♦ Specialist in Endocrinology and Nutrition at Santa Bárbara Puertollano Hospital
- ♦ Specialist Physician in Endocrinology and Nutrition at Severo Ochoa Hospital
- ♦ Expert in the Management of Diabetes Mellitus at the University of Barcelona
- ♦ Trained in Neuroendocrinological Pathology, Continuous Glucose Monitoring and diagnosis and treatment of thyroid carcinoma
- ♦ Degree in Medicine from the Pontifical Catholic University of Ecuador

Dr. García Fernández, Elena

- ♦ Assistant Physician of Endocrinology and Nutrition at 12 de Octubre University Hospital
- ♦ Teaching collaborator of the Endocrinology and Nutrition Resident Doctors and Primary Care Medicine at 12 de Octubre University Hospital
- ♦ Associate Professor at the Faculty of Medicine of the Complutense University of Madrid
- ♦ Associate Physician of Endocrinology and Nutrition at Burgos Hospital Complex
- ♦ Teaching collaborator of resident doctors of Primary Care Medicine in Burgos Hospital Complex

Dr. Gómez Rodríguez, Sara

- ♦ Endocrinologist at the General Hospital of Segovia
- ♦ Endocrinologist at Los Tilos Medical Center in Segovia
- ♦ Endocrinologist at the University Hospital of Getafe
- ♦ Degree in Medicine

06

Educational Plan

The academic agenda of this study program is composed of 10 modules, with various topics of interest. Throughout their theoretical learning, endocrinologists will be updated on the latest developments to diagnose and treat diseases related to the Hypothalamus, Pituitary, Thyroid glands, among others. Likewise, the program delves into the most advanced therapeutics for disorders that severely affect the quality of life of patients such as Diabetes and Obesity. At the same time, it delves into Nutrition and Dietetics for real cases with various types of endocrinological conditions and the clinical and surgical solutions to this kind of medical problem.





A close-up photograph of several surgical instruments, including forceps and a scalpel, resting on a metallic surface. The instruments are covered in blood, suggesting a surgical procedure. The image is partially obscured by a diagonal blue and white graphic element.

The theoretical phase of this Hybrid Master's Degree has multimedia resources, such as videos and infographics, to help you assimilate its contents in a fast and flexible way"

Module 1. Hypothalamus, Pituitary Gland and Autoimmune Pathology

- 1.1. Endocrinology
 - 1.1.1. Types of Hormones
 - 1.1.2. Synthesis, Processing and Degradation of Hormones
 - 1.1.3. Hormone Receptors
 - 1.1.4. Regulatory Systems
 - 1.1.5. Endocrine Autoimmunity
 - 1.1.6. Genetic Basis of Endocrine Diseases
- 1.2. Endocrine Pathophysiology
 - 1.2.1. Disorders of Biosynthesis
 - 1.2.2. Secretion Disorders
 - 1.2.3. Transport Disorders
 - 1.2.4. Action Disorders
 - 1.2.5. Regulatory Disorders
 - 1.2.6. Autonomous Hormone Production
- 1.3. Metabolism, Hormones and Coenzymes
 - 1.3.1. Nutrients
 - 1.3.2. Glucose Pathways
 - 1.3.3. Lipids
 - 1.3.4. Proteins
 - 1.3.5. Energy Procurement and Use
 - 1.3.6. Specific Metabolic Peculiarities
- 1.4. Hypothalamic and Pituitary Physiology
- 1.5. Hypopituitarism
- 1.6. Pineal Gland Pathology
- 1.7. Pituitary Tumor Syndromes
- 1.8. Inadequate ADH Secretion
- 1.9. Central Diabetes Insipidus
- 1.10. Autoimmune Polyglandular Syndromes
 - 1.10.1. Autoimmune Polyglandular Syndrome Type 1
 - 1.10.2. Autoimmune Polyglandular Syndrome Type 2

Module 2. Thyroid Gland, Parathyroid Gland and MEN

- 2.1. Physiology and Thyroid Function Tests
- 2.2. Goiter and the Euthyroid Patient's Syndrome
- 2.3. Hypothyroidism
- 2.4. Hyperthyroidism
- 2.5. Thyroiditis
- 2.6. Thyroid Nodule and Thyroid Cancer
- 2.7. Biology of Mineral Metabolism
 - 2.7.1. Parathyroid Hormone
 - 2.7.2. Vitamin D
 - 2.7.3. Regulation of Mineral Metabolism
 - 2.7.4. Laboratory Evaluation of Mineral Metabolism
- 2.8. Hypoparathyroidism and Pseudohypoparathyroidism
- 2.9. Hyperparathyroidism
 - 2.9.1. Primary
 - 2.9.2. Secondary
- 2.10. Multiple Endocrine Neoplasms
 - 2.10.1. MEN Type I
 - 2.10.2. MEN Type II

Module 3. Disorders of the Adrenal Glands

- 3.1. Anatomy
- 3.2. Physiology of the Adrenal Glands
- 3.3. Cushing's Syndrome
- 3.4. Adrenal Insufficiency
- 3.5. Hyperaldosteronism
- 3.6. Hypoaldosteronism
- 3.7. Pheochromocytoma
- 3.8. Congenital Adrenal Hyperplasia
- 3.9. Incidentalomas
- 3.10. Adrenal Tumors and Metastases

Module 4. Obesity, Metabolic Syndrome and Dyslipidemias

- 4.1. Epidemiology and Measurement of Obesity
- 4.2. Adipocyte, Etiology and Consequences of Obesity
- 4.3. Epidemiology and Etiology of the Metabolic Syndrome
- 4.4. Pathophysiology of the Metabolic Syndrome
- 4.5. Clinical Manifestations and Diagnosis of the Metabolic Syndrome
 - 4.5.1. Relationship of the Metabolic Syndrome with AHT
 - 4.5.2. Relationship of the Metabolic Syndrome with Heart Failure
- 4.6. Prevention and Treatment of the Metabolic Syndrome
 - 4.6.1. Importance of Lifestyle
 - 4.6.2. Vasculoprotective and Etiopathogenic Treatment
- 4.7. Lipoprotein Metabolism and the Classification of Dyslipidemias
- 4.8. Lipid-Lowering Drugs and Therapeutic Strategies
- 4.9. Management of Dyslipidemias in Different Clinical Situations
 - 4.9.1. Familial Dyslipidemias
 - 4.9.2. Women
 - 4.9.3. Elderly People
 - 4.9.4. Diabetes and Metabolic Syndrome
 - 4.9.5. Secondary Prevention
- 4.10. Non-Pharmacological Methods
 - 4.10.1. Lifestyle
 - 4.10.2. Functional Food
 - 4.10.3. Medicinal Plants

Module 5. Diabetes Mellitus

- 5.1. Etiology, Classification and Prevalence
- 5.2. Etiopathogenesis, Insulin Resistance and Metabolic and Molecular Pathogenesis
- 5.3. Diabetes Mellitus Type 1
- 5.4. Genetic Basis of Type 2 Diabetes Mellitus

- 5.5. Microvascular Complications
 - 5.5.1. Pathogenesis
 - 5.5.2. Diabetic Retinopathy
 - 5.5.3. Diabetic Nephropathy
 - 5.5.4. Diabetic Neuropathy
- 5.6. Macrovascular Complications
 - 5.6.1. Ischemic Heart Disease
 - 5.6.2. Diabetic Cardiomyopathy
 - 5.6.3. Heart Failure
 - 5.6.4. Stroke
 - 5.6.5. Peripheral Arterial Disease
- 5.7. Oral Antidiabetics
- 5.8. Insulin Therapy
- 5.9. Special Considerations
 - 5.9.1. Lipodystrophic Diabetes Mellitus
 - 5.9.2. Total Parenteral Nutrition
 - 5.9.3. Glucocorticoids
- 5.10. Diabetes and Public Health
 - 5.10.1. Screening for Type 2 Diabetes Mellitus
 - 5.10.2. Prevention of Type 2 Diabetes Mellitus

Module 6. Endocrinological Emergencies

- 6.1. Thyrotoxic Crisis
- 6.2. Myxedema Coma
- 6.3. Non-Ketotic Hyperosmolar Hyperglycemic Hyperglycemic Crisis
- 6.4. Diabetic Ketoacidosis
- 6.5. Acute Adrenal Insufficiency
- 6.6. Hypoglycemia
- 6.7. Pituitary Apoplexy
- 6.8. Hypocalcemia
- 6.9. Hypercalcemia
- 6.10. Pediatric Endocrinologic Emergencies

Module 7. Intermediate Metabolism and Bone Metabolism Disorders

- 7.1. Hemochromatosis
- 7.2. Wilson's Disease
- 7.3. Porphyrrias
- 7.4. Disorders of Purine and Pyrimidine Metabolism
- 7.5. Lysosomal Storage Diseases
 - 7.5.1. Pathogenesis
 - 7.5.2. Tay-Sachs Disease
 - 7.5.3. Fabry Disease
 - 7.5.4. Gaucher Disease
 - 7.5.5. Niemann-Pick Disease
 - 7.5.6. Mucopolysaccharidosis
 - 7.5.7. Pompe Disease
 - 7.5.8. Lysosomal Acid Lipase Deficiency
- 7.6. Hereditary Carbohydrate Metabolism Disorders
 - 7.6.1. Glycogenosis
 - 7.6.2. Disorders of Galactose Metabolism
 - 7.6.3. Fructose Metabolism Disorders
- 7.7. Hereditary Membrane Transport Disorders
 - 7.7.1. Cystinuria
 - 7.7.2. Lysinuria
 - 7.7.3. Citrullinemia
 - 7.7.4. Hartnup's Disease
 - 7.7.5. Cystinosis
- 7.8. Osteomalacia, Rickets and Osteogenesis Imperfecta
 - 7.8.1. Bone Remodeling
 - 7.8.2. Osteomalacia
 - 7.8.3. Rickets
 - 7.8.4. Osteogenesis Imperfecta

- 7.9. Osteoporosis
 - 7.9.1. Epidemiology
 - 7.9.2. Pathophysiology
 - 7.9.3. Diagnosis
 - 7.9.4. Treatment
 - 7.9.5. Osteoporosis Secondary to Glucocorticoids
- 7.10. Paget's Disease and Other Bone Dysplasias
 - 7.10.1. Paget's Osteopathy
 - 7.10.2. Sclerosing Bone Disorders
 - 7.10.3. Defective Mineralization
 - 7.10.4. Fibrous Dysplasia
 - 7.10.5. McCube-Albright Syndrome

Module 8. Clinical Nutrition and Dietetics

- 8.1. General Principles
 - 8.1.1. Assessment of Nutritional Status
 - 8.1.2. Nutritional Requirements
 - 8.1.3. Food Groups
 - 8.1.4. Markers of Malnutrition
- 8.2. Dietetics and Dietetic Therapy
 - 8.2.1. Dietary Recommendations
 - 8.2.2. Characteristics of the Different Types of Diet
 - 8.2.3. Nutritional Requirements
- 8.3. Enteral Nutrition
 - 8.3.1. Methods and Mechanics of Administration
 - 8.3.2. Indications, Contraindications and Complications
- 8.4. Parenteral Nutrition
 - 8.4.1. Types
 - 8.4.2. Routes and Mechanics of Administration
 - 8.4.3. Indications, Contraindications and Complications
 - 8.4.4. Nutrients in Parenteral Nutrition
 - 8.4.5. Preparation of Mixtures for Parenteral Nutrition

- 8.5. Dietary and Pharmacological Treatment of Obesity
 - 8.5.1. Pre-Treatment Assessment
 - 8.5.2. Modifications in Caloric Content
 - 8.5.3. Modifications in the Macronutrients of the Diet
 - 8.5.4. Specific Role in the Control of Obesity
 - 8.5.5. Pharmacological Treatment of Obesity
- 8.6. Diabetes Mellitus
 - 8.6.1. Objectives
 - 8.6.2. Types of Diets
 - 8.6.3. Nutrition Strategies
 - 8.6.4. Recommended Caloric Intake
 - 8.6.5. Macronutrient Distribution
 - 8.6.6. Other Nutrients
- 8.7. Nutritional Aspects in Hyperlipemia
 - 8.7.1. Influence of Fatty Acids on Cardiovascular Risk
 - 8.7.2. Effects of Sterols on Cardiovascular Risk
 - 8.7.3. Recommendations to Reduce the Impact of the Atherogenic Diet
 - 8.7.4. Other Nutritional Recommendations
- 8.8. Hydrosaline Metabolism
 - 8.8.1. Sodium-Controlled Diet
 - 8.8.2. Potassium-Controlled Diet
 - 8.8.3. Diet in Arterial Hypertension
- 8.9. Nutrition in Gastrointestinal Pathologies
 - 8.9.1. Diet in Celiac Disease
 - 8.9.2. Diet and Hepatobiliary Disease
 - 8.9.3. Diet and Inflammatory Bowel Disease
 - 8.9.4. Lactose Intolerance
 - 8.9.5. Probiotics, Prebiotics, Synbiotics and Fiber

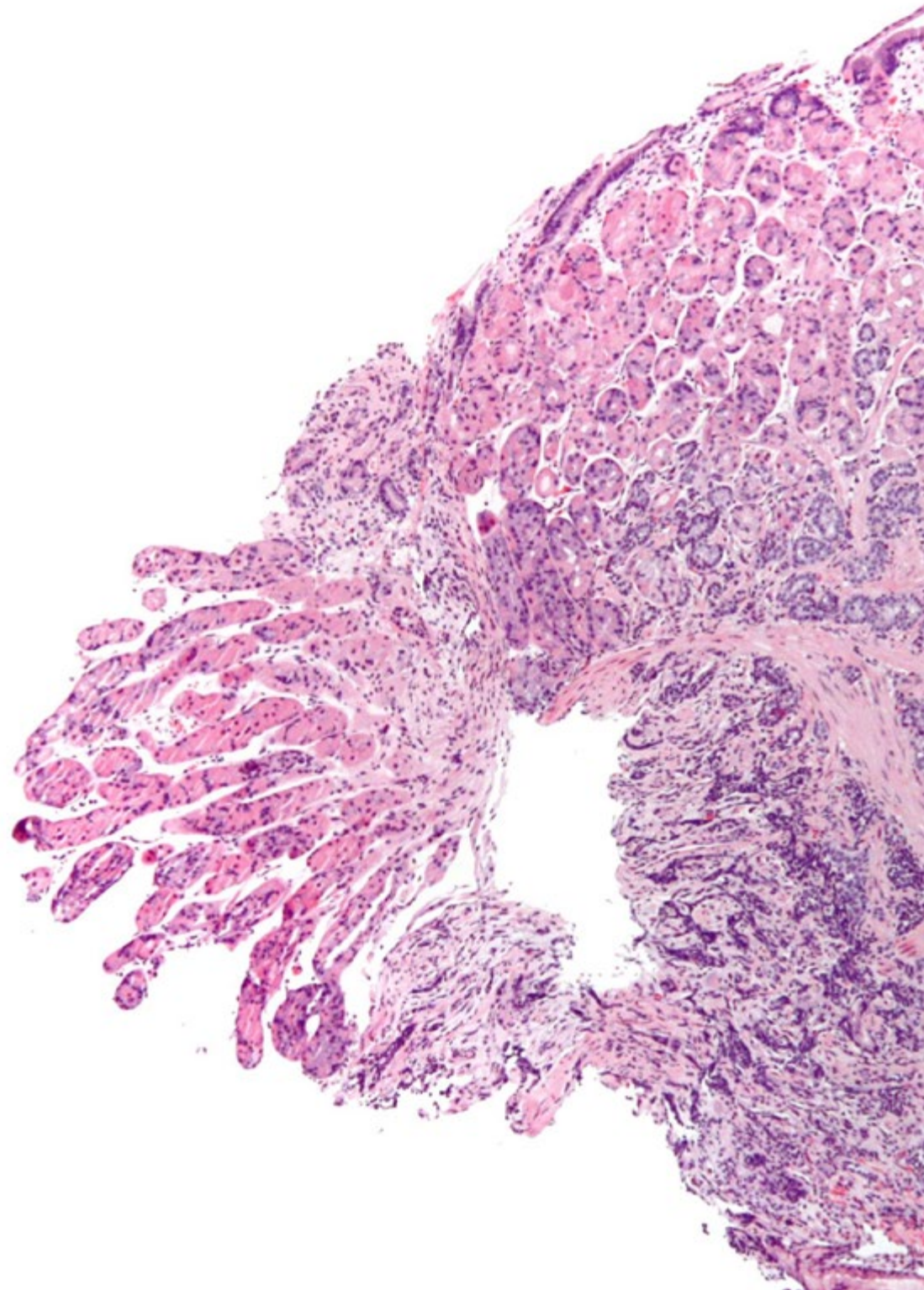
- 8.10. Nutrition and Renal Pathology
 - 8.10.1. Malnutrition as a Factor of Morbidity and Mortality
 - 8.10.2. Nutritional Assessment in the Renal Patient
 - 8.10.3. Nutritional Recommendations
 - 8.10.4. Nutritional Treatment

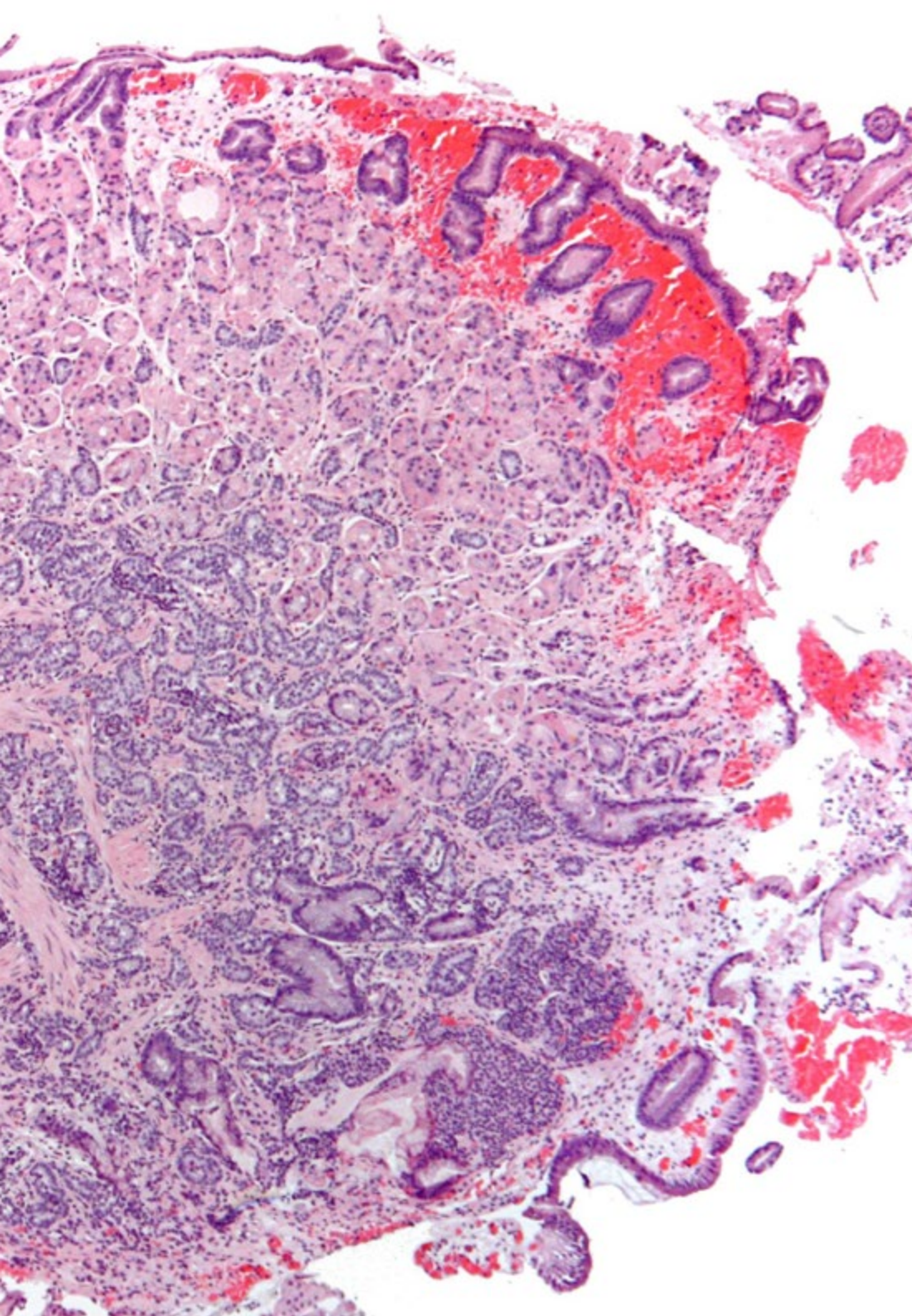
Module 9. Women and Endocrinology

- 9.1. Physiology of the Menstrual Cycle
- 9.2. Amenorrhea
 - 9.2.1. Classification
 - 9.2.2. Primary Amenorrhea
 - 9.2.3. Secondary Amenorrhea
- 9.3. Polycystic Ovary Syndrome and Chronic Anovulation
- 9.4. Hyperandrogenism and Hirsutism
- 9.5. Hyperprolactinemia
- 9.6. Gestational Diabetes
- 9.7. Endocrinology of Pregnancy
 - 9.7.1. Pituitary Hormones
 - 9.7.2. Thyroid Hormones
 - 9.7.3. Sex Hormones
 - 9.7.4. Placental Hormones
- 9.8. Hormonal Contraception
- 9.9. Hormones and Reproduction
- 9.10. Climacteric
 - 9.10.1. Hormonal Changes
 - 9.10.2. Clinical Manifestations
 - 9.10.2.1. Vasomotor Symptoms
 - 9.10.2.2. Menstrual Disturbances
 - 9.10.2.3. Psychological Sphere
 - 9.10.3. Osteoporosis and Menopause
 - 9.10.4. Cardiovascular Diseases and Menopause
 - 9.10.5. Hormone Replacement Therapy

Module 10. Miscellaneous

- 10.1. Pathology of the Gonads
 - 10.1.1. Male Hypogonadism
 - 10.1.2. Male Hypergonadism
- 10.2. Endocrinologic Diseases in the Elderly
 - 10.2.1. Endocrinological Changes in Aging
 - 10.2.2. Endocrinopathies in the Elderly
 - 10.2.3. Diabetes Mellitus in the Elderly
 - 10.2.4. Thyroid Diseases in the Elderly
- 10.3. Endocrine Neoplasms of the Pancreas
- 10.4. Carcinoid Syndrome
- 10.5. Paraneoplastic Endocrinopathies
- 10.6. Arterial Hypertension of Endocrine Origin
- 10.7. Gastrointestinal Hormones in the Control of Dietary Intake
 - 10.7.1. Anorexigenic Hormones
 - 10.7.2. Orexigenic Hormones
- 10.8. Central Nervous System and Hormones
 - 10.8.1. Thyroid Hormones
 - 10.8.2. Steroids
 - 10.8.3. Testosterone
- 10.9. Short Stature: Diagnostic Approach and Therapeutic Basis
- 10.10. Endocrine System and Heart
 - 10.10.1. Pituitary and Cardiovascular System
 - 10.10.2. Cushing's Syndrome and Cardiovascular Disease
 - 10.10.3. Thyroid and Cardiovascular System
 - 10.10.4. Parathyroid and Cardiovascular System
 - 10.10.5. Adrenal Gland and Cardiovascular System





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This updated syllabus will be available to you anytime, anywhere, from a device connected to the Internet, thanks to the features of TECH's 100% online platform”

07

Clinical Internship

All of TECH's Hybrid Master's Degrees have 1,920 hours of theoretical learning, from an innovative study platform 100% online. At the end of this didactic stage, doctors have the opportunity to continue updating their skills through a practical and intensive stay in prestigious and rigorous medical centers.



“

Develop your Endocrinology internship in first level hospital centers, located in different continents”

This specialization period consists of 120 didactic hours in which physicians must be incorporated into the dynamics of care within a demanding health facility. From this health institution, endocrinologists will apply the procedures and techniques assimilated in a theoretical way in real cases that need to overcome different diseases among which are distinguished Hypothyroidism, Diabetes, Obesity or Polycystic Ovary in female patients.

During this stay, totally face-to-face and intensive, Endocrinology professionals will have to complete consecutive 8-hour days, from Monday to Friday, during 3 educational weeks. Throughout this phase, they will rub shoulders with the best experts in the sector and will be able to learn directly from their experience. At the same time, you will have the support of an assistant tutor who will be in charge of supervising your educational progress and will introduce you to the more complex tasks of the care unit.

The practical teaching will be carried out with the accompaniment and guidance of the professors and other fellow trainees who will facilitate teamwork and multidisciplinary integration as transversal competencies for medical practice (learning to be and learning to relate).

The procedures described below will be the basis of the specialization, and their realization will be subject to the center's own availability, its usual activity and workload, the proposed activities being the following:



*Master the latest procedures
in the field of Endocrinology
thanks to the practical, face-to-
face and intensive internship
available thanks to this program"*



Module	Practical Activity
Approach to the Endocrine System: Hypothalamus, Pituitary, Thyroid Gland, Parathyroid and Autoimmune Pathologies	Perform blood osmolality test in patients with inadequate secretion of ADH antidiuretic hormone
	Apply follicle-stimulating hormone (FSH) blood test to diagnose Hypopituitarism
	Indicate inhibition test with dexamethasone to identify or rule out pituitary tumors
	Develop ultrasound and radioactive iodine uptake test to diagnose Hyperthyroidism
	Implement parathyroid hormone (PTH) blood testing in patients with signs of parathyroid disease
Intervention of Obesity, Metabolic Syndrome, Dyslipidemia, Intermediate and Bone Metabolism Disorders	Advanced calculation of the patient's muscle mass index
	Perform arterial blood gases for the evaluation of the metabolic state of the body
	Apply methylmalonic acid blood test to determine a vitamin B12 or Methylmalonic Acidemia deficiency
	Evaluate the most updated criteria for the indication of Gastric Bypass Surgery in cases of Morbid Obesity
Latest trends in Diabetes Mellitus	Use laser treatments to reduce retinal inflammation in patients with Diabetic Retinopathy
	Treat with anti-VEGF and other corticosteroids in patients with Diabetic Retinopathy
	Insulinotherapies through insulin pump by continuous subcutaneous infusion
	Indicate oral therapy with basal insulin including long-acting and short-acting tablets
	Measure the evolution of the diabetic patient with the mixture of intermediate-acting insulins (NPH) with regular rapid-acting analogs in different proportions
Clinical Nutrition and Dietetic Techniques	Evaluate the patient for percutaneous endoscopic gastrostomy procedures
	Apply jejunostomy tubes to patients with artificial nutrition needs
	Identify dermatitis herpetiformis, resulting from celiac disease and differentiate it from other skin lesions
	Use skin biopsies to identify different skin disorders such as celiac disease
Endocrinological Emergencies	Diagnose the patient in Myxedematous Coma
	Map out multidisciplinary intervention strategies for Hypercalcemia and Hypocalcemia
	Comprehensive follow-up of patients with Diabetic Ketoacidosis
	Early detection of signs of Pituitary Apoplexy

Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the Internship Program period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.



General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

1. TUTOR: During the Hybrid Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

2. DURATION: The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

3. ABSENCE: If the students does not show up on the start date of the Hybrid Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

4. CERTIFICATION: Professionals who pass the Hybrid Master's Degree will receive a certificate accrediting their stay at the center.

5. EMPLOYMENT RELATIONSHIP: the Hybrid Master's Degree shall not constitute an employment relationship of any kind.

6. PRIOR EDUCATION: Some centers may require a certificate of prior education for the Hybrid Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

7. DOES NOT INCLUDE: The Hybrid Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed.

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

08

Where Can I Do the Clinical Internship?

The itinerary of this Hybrid Master's Degree is completed with a clinical internship in state-of-the-art hospital institutions. In the centers chosen by TECH for this phase of the educational program, the endocrinologist will have access to first level diagnostic tools and techniques. They will also participate in high-caliber therapeutic actions where they will offer innovative health solutions to real patients. At the same time, throughout the educational process, they will be accompanied by prestigious and experienced professionals.



“

TECH's face-to-face practice will complement the theoretical knowledge acquired during the initial stage of this educational program”

The student will be able to complete the practical part of this Hybrid Master's Degree at the following centers:



Medicine

Hospital HM Modelo

Country City
Spain La Coruña

Address: Rúa Virrey Osorio, 30, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Anaesthesiology and Resuscitation
- Spine Surgery



Medicine

Hospital HM Rosaleda

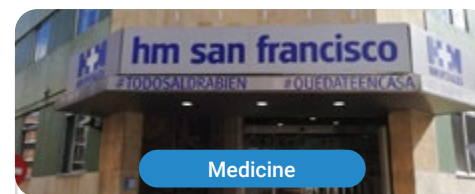
Country City
Spain La Coruña

Address: Rúa de Santiago León de Caracas, 1, 15701, Santiago de Compostela, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Medicine

Hospital HM San Francisco

Country City
Spain León

Address: C. Marqueses de San Isidro, 11, 24004, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Update in Anesthesiology and Resuscitation
- Nursing in the Traumatology Department



Medicine

Hospital HM Regla

Country City
Spain León

Address: Calle Cardenal Landázuri, 2, 24003, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Psychiatric Treatments Update in Minor Patients



Medicine

Hospital HM Nou Delfos

Country City
Spain Barcelona

Address: Avinguda de Vallcarca, 151, 08023, Barcelona

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Medicine

Hospital HM Madrid

Country City
Spain Madrid

Address: Pl. del Conde del Valle de Súchil, 16, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Clinical Analysis
- Anaesthesiology and Resuscitation



Medicine

Hospital HM Montepíncipe

Country City
Spain Madrid

Address: Av. de Montepíncipe, 25, 28660, Boadilla del Monte, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Child Orthopedics
- Aesthetic Medicine



Medicine

Hospital HM Torrelodones

Country City
Spain Madrid

Address: Av. Castillo Olivares, s/n, 28250, Torrelodones, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Anaesthesiology and Resuscitation
- Hospital Pediatrics



Medicine

Hospital HM Sanchinarro

Country	City
Spain	Madrid

Address: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Anaesthesiology and Resuscitation
- Sleep Medicine



Medicine

Hospital HM Nuevo Belén

Country	City
Spain	Madrid

Address: Calle José Silva, 7, 28043, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- General and Digestive System Surgery
- Clinical Nutrition in Medicine



Medicine

Hospital HM Puerta del Sur

Country	City
Spain	Madrid

Address: Av. Carlos V, 70, 28938, Móstoles, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Pediatric Emergencies
- Clinical Ophthalmology



Medicine

Policlínico HM Cruz Verde

Country	City
Spain	Madrid

Address: Plaza de la Cruz Verde, 1-3, 28807, Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Advanced Clinical Podiatry
- Optical Technologies and Clinical Optometry



Medicine

Policlínico HM Distrito Telefónica

Country: Spain
City: Madrid

Address: Ronda de la Comunicación, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Optical Technologies and Clinical Optometry
- General and Digestive System Surgery



Medicine

Policlínico HM Gabinete Velázquez

Country: Spain
City: Madrid

Address: C. de Jorge Juan, 19, 1° 28001, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Clinical Nutrition in Medicine
- Aesthetic Plastic Surgery



Medicine

Policlínico HM Las Tablas

Country: Spain
City: Madrid

Address: C. de la Sierra de Atapuerca, 5, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Nursing in the Traumatology Department
- Diagnosis in Physiotherapy





Medicine

Policlínico HM Moraleja

Country City
Spain Madrid

Address: P.º de Alcobendas, 10, 28109, Alcobendas, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Rehabilitation Medicine in Acquired Brain Injury Management



Medicine

Policlínico HM Sanchinarro

Country City
Spain Madrid

Address: Av. de Manoteras, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Gynecological Care for Midwives
- Nursing in the Digestive Tract Department



Medicine

Policlínico HM Imi Toledo

Country City
Spain Toledo

Address: Av. de Irlanda, 21, 45005, Toledo

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

Related internship programs:

- Electrotherapy in Rehabilitation Medicine
- Hair Transplantation

09

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. Gérvás, 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.



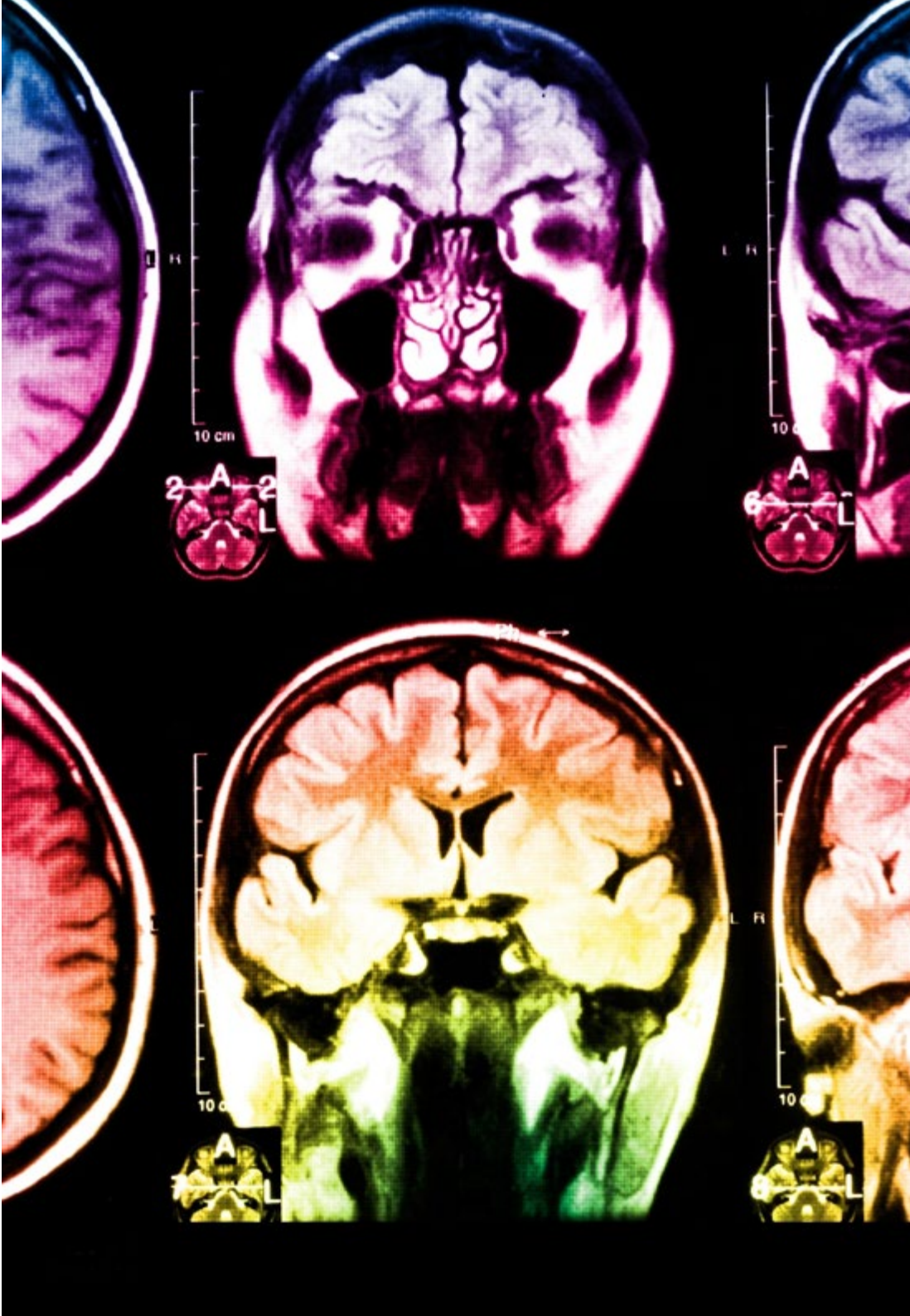
At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

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.

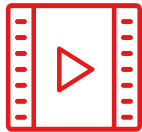
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

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.

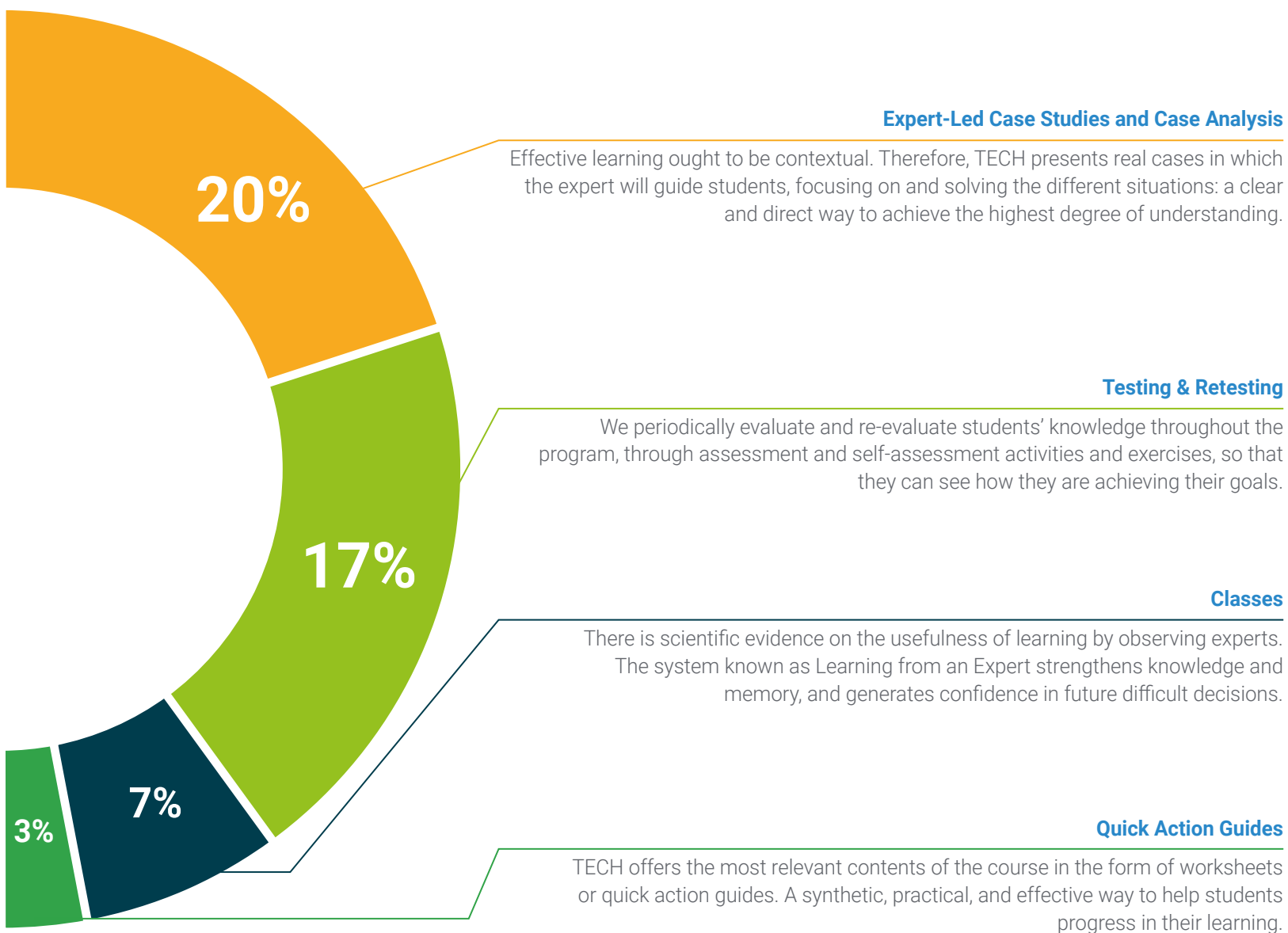
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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.





10 Certificate

The Hybrid Master's Degree in Update in Endocrinology guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Master's Degree issued by TECH Global University.



“

*Successfully complete this program and
receive your university qualification without
having to travel or fill out laborious paperwork”*

This private qualification will allow you to obtain a **Hybrid Master's Degree in Update in Endocrinology in Update in Endocrinology** 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.

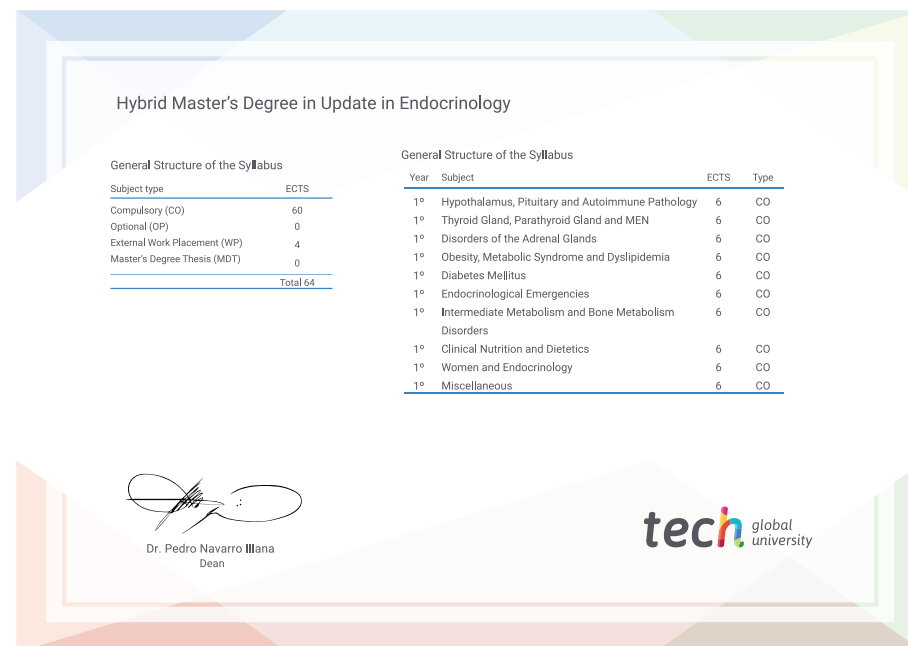
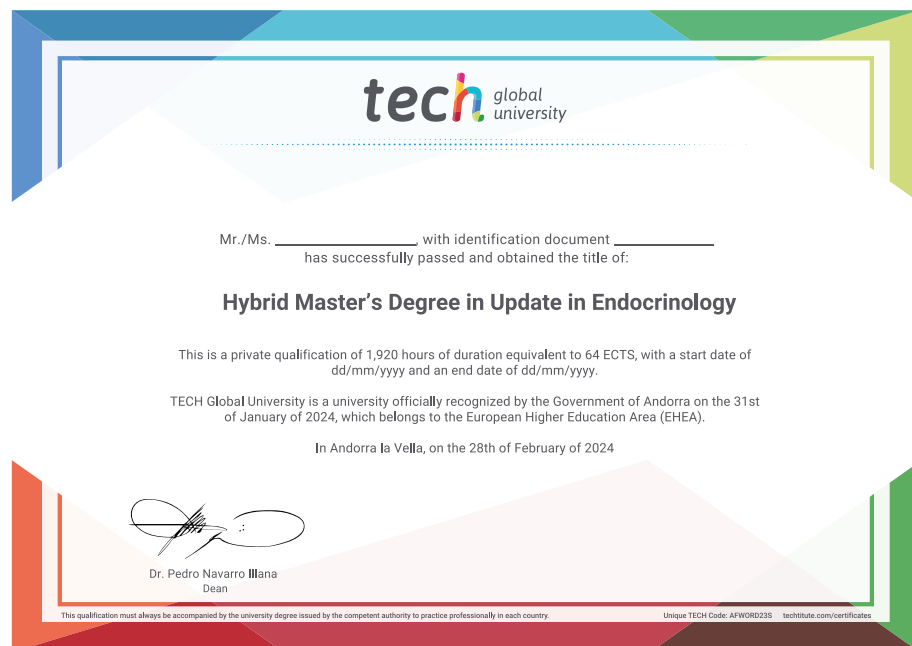
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Hybrid Master's Degree in Update in Endocrinology**

Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months**

Accreditation: **60 + 4 ECTS**





Hybrid Master's Degree Update in Endocrinology

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

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Hybrid Master's Degree Update in Endocrinology

