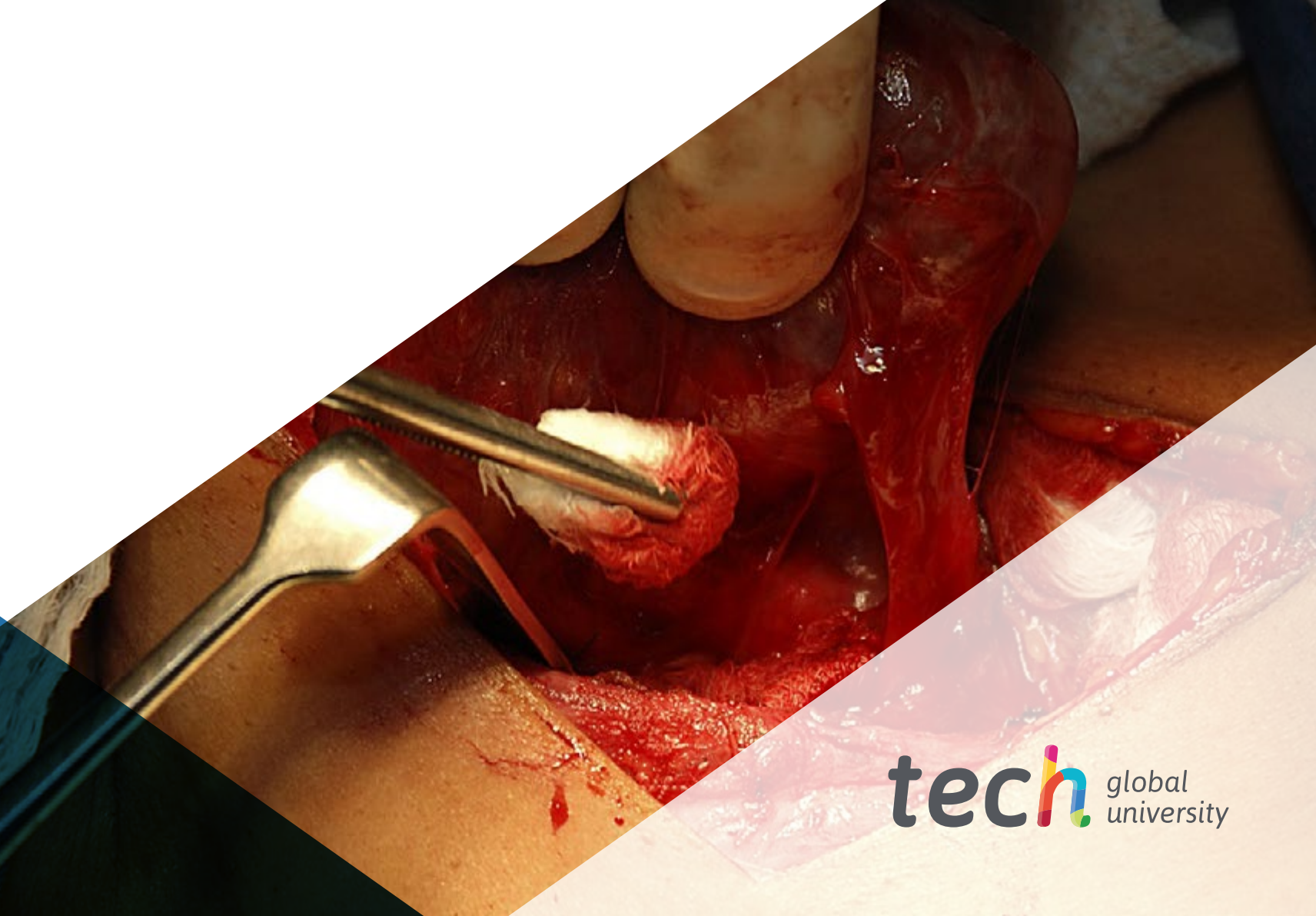


# Hybrid Professional Master's Degree

## Endocrine Oncologic Pathology





## Hybrid Professional Master's Degree

### Endocrine Oncologic Pathology

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

60 + 5 ECTS Credits

Website: [www.techtute.com/pk/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-endocrine-oncologic-pathology](http://www.techtute.com/pk/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-endocrine-oncologic-pathology)

# Index

01

Introduction

---

*p. 4*

02

Why Study this Hybrid  
Professional Master's Degree?

---

*p. 8*

03

Objectives

---

*p. 12*

04

Skills

---

*p. 16*

05

Course Management

---

*p. 20*

06

Educational Plan

---

*p. 28*

07

Clinical Internship

---

*p. 34*

08

Where Can I Do the Clinical  
Internship?

---

*p. 40*

09

Methodology

---

*p. 44*

10

Certificate

---

*p. 52*

# 01

# Introduction

In a few decades, medical science has doubled its understanding of the genetic, environmental and physiological determinants in general that lead to the appearance of endocrine tumors. Based on this knowledge, there has also been innovation in the development of diagnostic strategies and more comprehensive treatments. Keeping up to date on these aspects is not easy for specialists. However, TECH offers this program based on a novel educational modality to bring them up to date. The degree includes, first of all, a theoretical and 100% online approach to these new subjects. Then, it provides a first level clinical practice, where the professional will put into practice their new knowledge in the approach of real patients, through the best health technology and the guidance of great experts.



“

*Get the most up-to-date knowledge on the management of Neuroendocrine Tumors and other oncologic pathologies associated with glands and hormones through this very complete TECH's Hybrid Master's Degree”*

Through scientific and technological advances, medicine is constantly updating the strategies and tools used for the diagnosis and treatment of Endocrine Oncologic Pathologies. An example of these is the emergence of modern genetic tests to identify familial DNA mutations that indicate the possible occurrence of Multiple Endocrine Neoplasia Syndromes. The same applies to the approach to Neuroendocrine Tumors where Peptide Receptor Radionuclide Therapy has become more relevant. The constant renewal of this health field makes it difficult to update specialists, who often demand academic programs that facilitate the assimilation of new concepts and skills.

Aware of this scenario, TECH has developed a pioneering educational modality that will solve these problems. In this way, the Hybrid Master's Degree in Endocrine Oncologic Pathology combines, like no other degree, all the knowledge that the physician will need to be at the forefront of this area of health care.

The pedagogical itinerary consists of two distinct parts. The first part dedicates 1,500 hours to the theoretical and online study of the most significant contributions to this health specialty in recent years. In addition to delving into the clinical manifestations recently discovered for some types of tumors, it examines the methodologies to be followed for their correct identification and elimination. For the mastery of all the contents offered by this educational opportunity, TECH also provides Relearning, an innovative learning model of great didactic value.

In the second phase of this program, there will be a clinical internship to be completed in 3 weeks. This intensive, face-to-face stay will enable the specialist to be exposed to first-rate technological resources for the approach to endocrine tumors. Also in this pedagogical stage, the specialist will apply innovative care protocols on real patients, directly verifying their multidisciplinary support. You will also receive advice from leading experts in the field and the personalized guidance of an assistant tutor. Through all these elements, the graduate will have the best update and will be able to add the most modern procedures in the market to their medical practice.

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

- ♦ More than 100 clinical cases presented by Endocrine Oncologic Pathology experts
- ♦ 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
- ♦ Comprehensive systematized action plans for the main pathologies
- ♦ Presentation of practical workshops on procedures diagnosis, and treatment techniques
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Practical clinical guides on approaching different pathologies
- ♦ 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



*Throughout 1,500 hours of theoretical study, you will be updated on the steps to follow for the multidisciplinary approach to Multiple Endocrine Neoplasia Syndromes”*

“

*The 3 weeks of clinical practice integrated to this Hybrid Master will give you access to real patients, with various endocrine oncologic pathologies, which you will treat according to the most updated protocols of this specialty”*

In this proposal for a Master's Degree, of a professionalizing nature and hybrid learning modality, the program is aimed at updating professionals who require a high level of qualification in relation to the management of Endocrine Oncologic Pathology. The contents are based on the latest scientific evidence, and oriented in an educational way to integrate theoretical knowledge into practice, and the theoretical-practical elements will facilitate knowledge update and decision-making in patient management.

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, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*During the 100% online study of the first stage of this degree, you will add to your professional practice the most modern strategies for the approach of differentiated thyroid carcinoma tumors.*

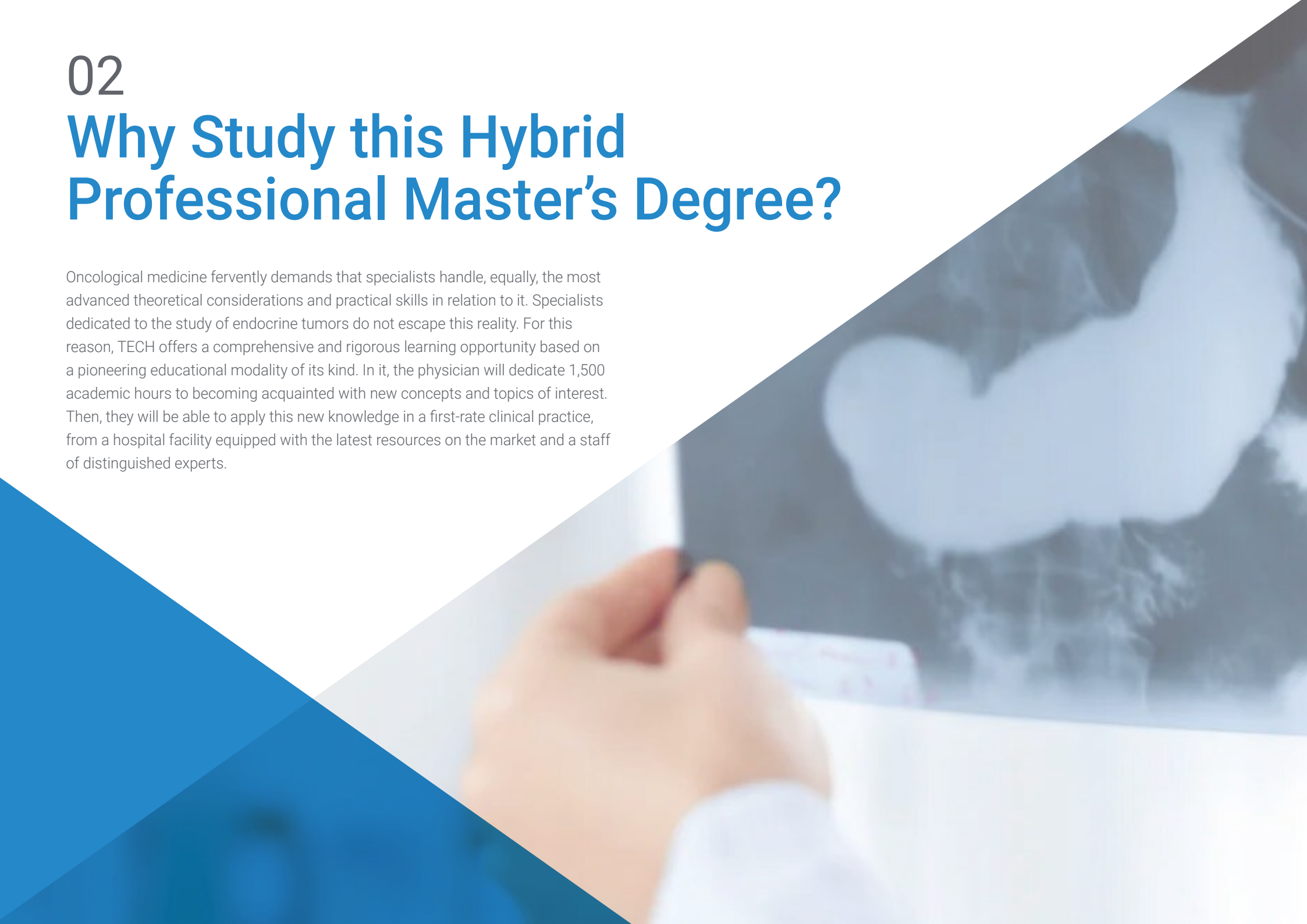
*By means of this Hybrid Master, you will apply novel treatments against Neuroendocrine Tumors such as Radionuclide Therapy with peptide receptor radionuclides through radiopharmaceuticals such as Lutathera.*



# 02

## Why Study this Hybrid Professional Master's Degree?

Oncological medicine fervently demands that specialists handle, equally, the most advanced theoretical considerations and practical skills in relation to it. Specialists dedicated to the study of endocrine tumors do not escape this reality. For this reason, TECH offers a comprehensive and rigorous learning opportunity based on a pioneering educational modality of its kind. In it, the physician will dedicate 1,500 academic hours to becoming acquainted with new concepts and topics of interest. Then, they will be able to apply this new knowledge in a first-rate clinical practice, from a hospital facility equipped with the latest resources on the market and a staff of distinguished experts.







“

*TECH offers you the only degree in the educational market that adjusts to your schedules, academic needs and geographic location with which you will update your competences on Endocrine Oncologic Pathology with total guarantees of professional improvement”*

### 1. Updating from the Latest Technology Available

Scans, catheterization, petrosal sinuses, functional tests and imaging exams based on MRI and CT scans have revolutionized the diagnostic field of Endocrine Oncology. To keep up to date on the handling of these tools and the interpretation of their results, TECH provides specialists with a unique hands-on, direct and immersive learning opportunity. During the clinical practices of this qualification, the physician will have the opportunity to handle all this equipment and master their correct use.

### 2. Gaining In-depth Knowledge from the Experience of Top Specialists

At all times, during this Hybrid Master, the health professional will be accompanied by leading experts in Endocrine Oncology. In the initial stage of this qualification, you will have a prestigious teaching staff, whose personalized guidance will allow you to assimilate and validate complex theoretical considerations in this field. Then, in the clinical practice phase, you will develop skills alongside a staff of experts of international caliber.

### 3. Entering First-Class Clinical Environments

The centers available for the practical training of this Hybrid Master have been chosen by TECH with great care. In order to find the ideal facilities, two fundamental criteria have been taken into account. On the one hand, the hospital institution will provide the physician with direct access to the best technological resources for diagnosis and treatment. In addition, it will allow them to gain experience alongside prestigious experts who are part of the healthcare teams of these institutions.



#### 4. Combining the Best Theory with State-of-the-Art Practice

In the educational market, there are not many courses with updated contents on Endocrine Oncologic Pathology. Likewise, there is a shortage of programs that provide in-depth face-to-face training in the application of the latest tools and procedures for this sector. TECH stands out in this educational panorama, offering a study modality that combines, like no other model, the theory and practice of this specialty. To do so, it uses two academic phases that integrate the 100% online study of the most innovative concepts with an intensive clinical practice where they are implemented.

#### 5. Expanding the Boundaries of Knowledge

TECH, from its wide network of academic agreements, has coordinated the clinical practices of this Hybrid Master with centers located in different cities. In this way, the endocrine oncologist will have the opportunity to choose the hospital center that best suits their geographical location and will be able to become acquainted with the latest aspects of their specialty with medical standards of international perspective.



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

# 03

## Objectives

The design of this program integrates, in a cutting-edge manner, the theoretical and practical learning of the main advances in Endocrine Oncologic Pathology. To this end, it applies a highly innovative and pioneering mode of study in its type. In this way, TECH offers the handling of different concepts and topics of interest in a 100% online study phase, without preset schedules or timetables. It then deploys a practical, face-to-face and intensive stay, in which the doctor will directly apply everything learned, in a renowned hospital setting and under the supervision of an assistant tutor.



“

*Catch up, thanks to TECH, on how to favor outpatient treatment of cancer patients with endocrine tumors. In this way, you will stand out for your ability to rationalize resources and offer wellness conditions to your patients"*



## General Objective

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- This Hybrid Master's Degree will update healthcare professionals on the main innovations of recent years in the diagnosis and treatment of endocrine oncological pathologies. At the same time, the program aims to strengthen the specialist's knowledge to achieve a multidisciplinary approach to various types of tumors. In turn, it will examine how to apply new protocols that ensure greater well-being and recovery for patients with such conditions. At the end of this program, the graduate will have an updated mastery of all these topics and will be able to incorporate them efficiently into his daily medical practice



*You will expand your professional practice and become a prestigious endocrine oncologist after overcoming the educational objectives of this updated Hybrid Master"*



## Specific Objectives

---

### Module 1. Hypothalamic-Pituitary Tumor Pathology

- To deeply identify the clinical manifestations and the diagnosis of functioning and non-functioning pituitary tumors
- Delve deeper into the Surgical Treatment of Hypothalamic-Pituitary Region Tumors, the Approach Routes, the Perioperative Management, and the perioperative management, postoperative functional evaluation
- Examine the indications and types of pharmacological treatment for the different types of tumors
- Gain in-depth knowledge of the Indications and Types of Radiotherapy, its efficacy, side effects and the Indications for other Treatments

### Module 2. Thyroid Nodule Management: Parathyroid Tumors

- Gain deeper knowledge of the Thyroid Nodule Approach
- Delve deeper into the usefulness, characteristics and classifications of Diagnostic Tests
- Advance in the knowledge of Indications and Complications in Ethanolization and Ablation Techniques
- inquire deeper into the approach to primary hyperparathyroidism

### Module 3. Differentiated Thyroid Carcinoma (DTC)

- Update knowledge of the pathogenesis of DTC
- Gain further knowledge of the Diagnosis and Treatment Indications
- Identifying Target Therapies in Advanced Non-Resectable CDT

**Module 4. Medullary Thyroid Carcinoma (MTC): Other Thyroid Carcinomas**

- ♦ Characterize the diagnosis and treatment of CMT
- ♦ Classify other Malignant Thyroid Tumors
- ♦ Optimize monitoring and prognosis of malignant thyroid tumors not derived from follicular epithelium

**Module 5: Adrenal Cortex Tumors**

- ♦ Analyze new discoveries of incidentally discovered adrenal nodule
- ♦ Research deeper into the diagnosis of ACTH-independent hyper-cortisolism
- ♦ Delve deeper into the differential diagnosis of primary hyperaldosteronism due to adenoma caused by hyperplasia
- ♦ Delve deeper into the diagnosis, treatment and monitoring of adrenal carcinoma  
Multidisciplinary Approach

**Module 6. Pheochromocytomas and Paragangliomas**

- ♦ Master in the Molecular Bases of these Tumors and the importance of Genetic Studies
- ♦ Delve deeper into the diagnosis, treatment and monitoring of Pheochromocytomas and Paragangliomas

**Module 7. Multiple Endocrine Neoplasm Syndromes**

- ♦ Advance in the knowledge of the Hereditary Syndromes of Multiple Endocrine Neoplasia
- ♦ Gain Develop understanding of how to monitor Gene Mutation Carriers for the different Syndromes
- ♦ Conduct the assessment and follow-up of family members

**Module 8. Gastroenteropancreatic Neuroendocrine Tumors (GEP-NETs)**

- ♦ Know about the Epidemiology and the Molecular and Cellular Bases for GEP-NETs
- ♦ Advance understanding of the Diagnosis, Treatment, Monitoring and Prognosis of GEP-NETs in different locations: Pulmonary, Gastric, Intestinal and Appendiceal

**Module 9. GEP-NET: Anatomical and Functional Diagnosis Treating Locoregional Disease**

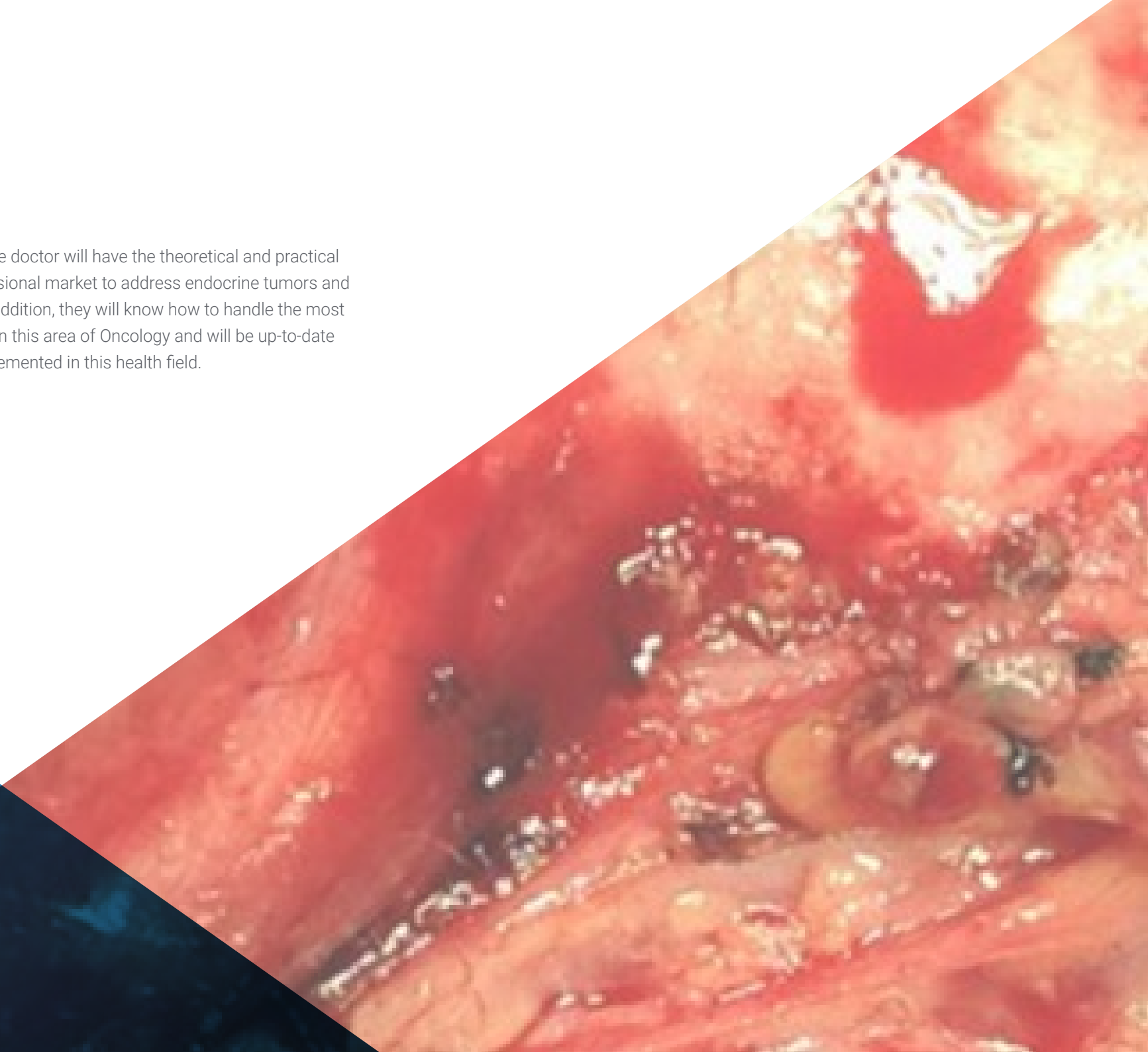
- ♦ Recognize Carcinoid Syndrome and Carcinoid Cardiopathy and the different types of Ectopic Hormone Secretion
- ♦ Assessing the Diagnosis of GEP-NET: Molecular Markers, Echoendoscopy, and Imaging Tests
- ♦ Thoroughly review follow-up and assess response to treatment
- ♦ Delve deeper into the Indications for the Treatment of G3 GEP-NETs

**Module 10. Gastroenteropancreatic Neuroendocrine Tumors: Treating Advanced Stages of the Disease**

- ♦ Know how to approach Advanced Stages of the Disease and their surgical treatment
- ♦ Evaluate pharmacological treatments in advanced disease: Biological Treatments, Targeted Therapies, and Immunotherapy
- ♦ Acquire deeper knowledge of Radionuclide Therapy Treatment: Theragnosis Teragnosis
- ♦ Manage the Nutritional Approach potentially required by some Endocrine Tumor patients

# 04 Skills

After passing this Hybrid Master, the doctor will have the theoretical and practical skills most in demand in the professional market to address endocrine tumors and pathologies derived from them. In addition, they will know how to handle the most advanced diagnostic technologies in this area of Oncology and will be up-to-date on the latest therapies already implemented in this health field.





“

*This program will add to your career path accurate and recently updated skills for the diagnosis and treatment of the most severe endocrine oncologic pathologies”*



## General Skills

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- Identify the different clinical pathologies for Endocrine Oncologic Pathology
- Approach different cases of Endocrine Oncologic Pathology in a multidisciplinary way and other advanced diseases
- Delve into the various diagnostics available, in order to create more effective treatments and follow-ups

“

*Thanks to this Hybrid Master, you will have updated competences to manage Chronic Pain and other secondary conditions, derived from aggressive oncological pathologies such as Neuroendocrine Tumors”*





## Specific Skills

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- ♦ Acquire deeper knowledge of the Tumors in the Hypothalamic-Pituitary Region, their Pathogenesis, Anatomopathological Aspects Specific and classification
- ♦ Manage the indications and extent of surgical treatment in Endocrine Oncologic Pathology, its complications and subsequent follow-up
- ♦ Optimize the assessment of Treatment Response
- ♦ Identify the different Thyroid Carcinomas
- ♦ Diagnose Adrenal Node functionality
- ♦ Update knowledge about of Chromaffin Tissue Tumors
- ♦ Identify the Multiple Endocrine Neoplasia Syndromes and the correct approach
- ♦ Have thorough Master of the diagnosis, treatment, monitoring and prognosis for Functioning and Non-Functioning Pancreatic Neuroendocrine Tumors
- ♦ Delve deeper into the surgical treatment of GEP-NETs in different locations
- ♦ Apply exhaustively the sequencing of the different treatments for Gastroenteropancreatic Neuroendocrine Tumors

# 05 Course Management

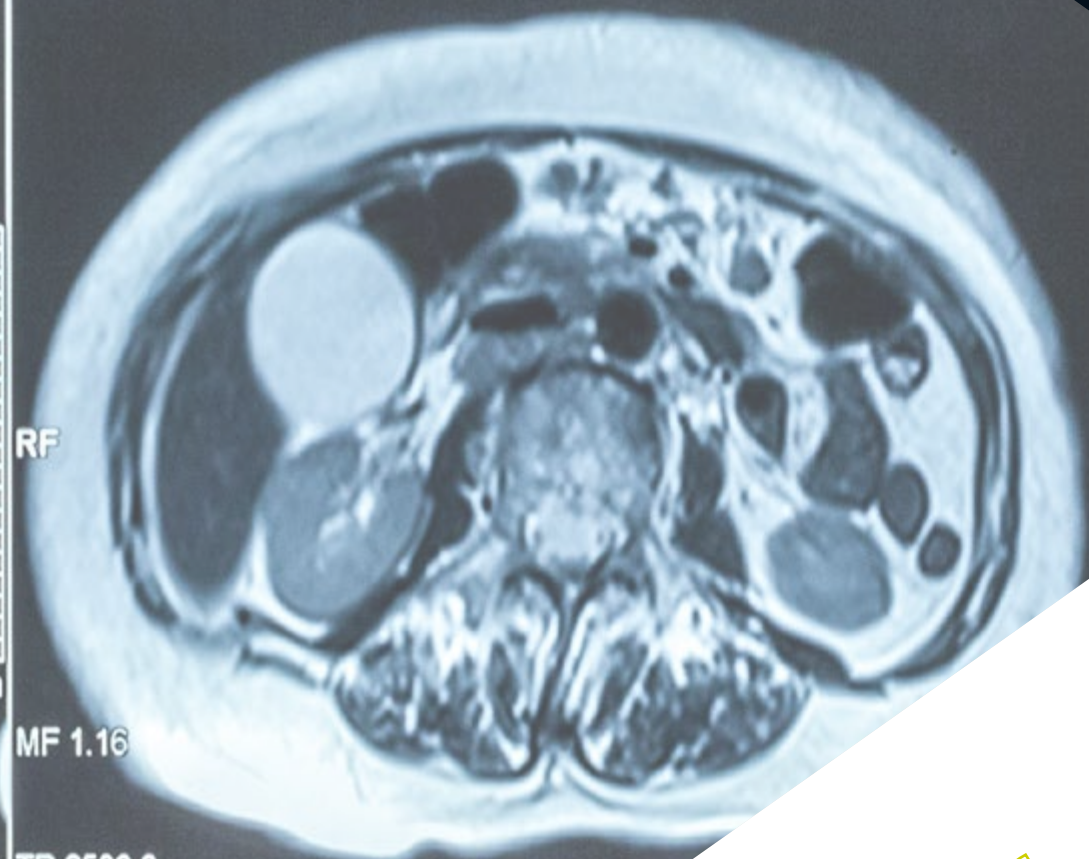
In its desire to guarantee the specialist the best possible update, TECH has composed a faculty of excellence for this program. The chosen professors stand out in the medical panorama for their advanced knowledge of the latest diagnostic and therapeutic procedures for tumor pathologies of endocrine origin. In their daily activity, they apply all these novel strategies and, in addition, they collaborate with scientific societies and academic publications disseminating their experiences. Based on this track record of excellence, they offer the oncologist a personalized guide to assimilate the most innovative concepts quickly and flexibly.



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MR B13  
HFS  
+LPH

STUDY 1  
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RF

RF

MF 1.16

TR 2580.0  
TE 107.0  
TA 05.41\*3  
BW 260.0  
p2 M/NORM/DIS2D/FM/FIL

A1/SAT2  
T:BO1,2;SP2-4  
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*This renowned faculty has designed a cutting-edge curriculum that will bring you optimally up to date on the latest therapeutic trends in relation to endocrine oncologic pathologies”*

## International Guest Director

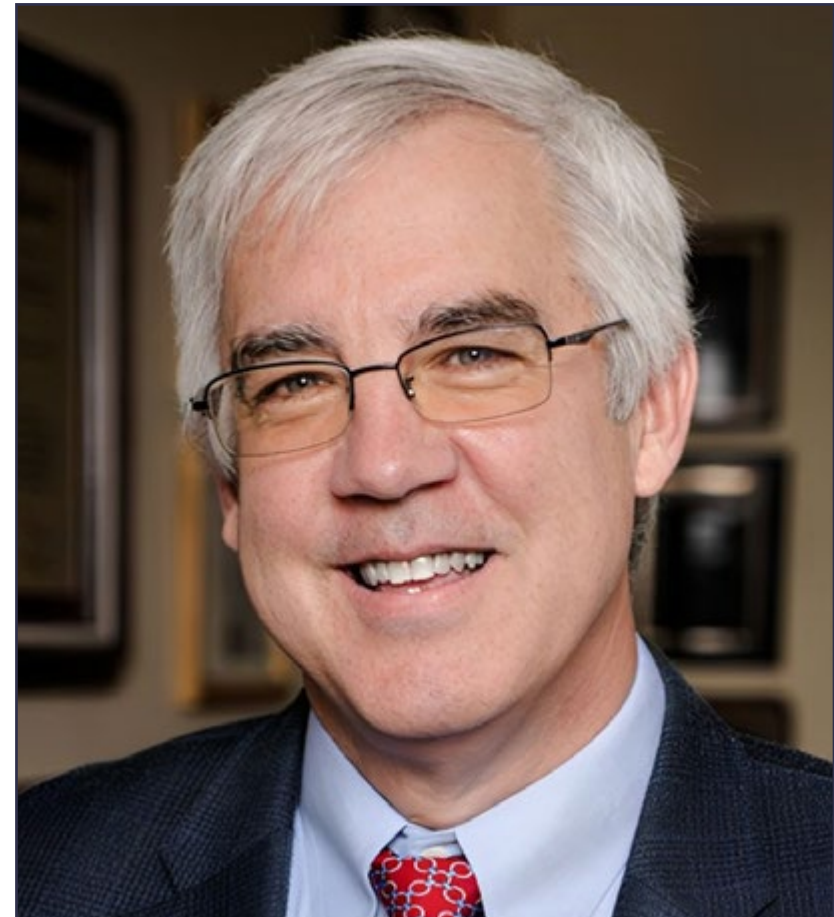
Dr. R. Michael Tuttle has developed, for more than 3 decades, a successful career in the medical field of Endocrinology. Thanks to his exceptional skills, this expert has received numerous international awards. He has received the Lewis Braverman Lectureship Award from the American Thyroid Association and the Knoll Pharmaceutical Mentor Award from the Endocrine Society.

He has also recently served as Clinical Director of the Endocrine Service at Memorial Sloan Kettering Hospital. He is also a permanent academic collaborator at Cornell University Medical School in New York.

In addition, Dr. Tuttle has distinguished himself on the clinical-research level. Specifically, he has delved deeply into the study of Thyroid Cancer and his work in this field has changed the paradigm regarding differentiated treatments (DTC) for this disease. Prior to his therapeutic innovations, all patients were treated with Total Thyroidectomy and Radioactive Iodine (RAI). However, this expert was one of the pioneers in using serum Thyroglobulin (Tg) as an indicator of residual DTC.

As such, he has led international studies that demonstrated the efficacy of recombinant thyrotropin (rhTSH) in determining TSH-stimulated Tg. This also led to the stratification of patients into risk categories and reduced the number of ionizing radiations. Together with his molecular analyses, his clinical work has opened a new scenario for multikinase inhibitor (TKI) therapies for radioiodine therapy-resistant DTC.

On the other hand, he has been a consultant to the Center for Disease Control for Radiation Exposure of Peoples in the Marshall Islands, the Hanford Downwinder Project, and a consultant to the National Academy of Sciences for Radiation Exposed Populations.



## Dr. Tuttle, R. Michael

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- Clinical Director of the Endocrinology Service at Memorial Sloan Kettering Cancer Center
- Specialist in Thyroid Cancer and Radioiodine Therapy.
- Academic Advisor, Cornell University Medical School, New York
- Fellowship at the Madigan Army Medical Center
- Residency in Medical Endocrinology at Dwight David Eisenhower Army Medical Center
- M.D. from the University of Louisville
- B.S. in Biology, Northern Kentucky University
- Member of:
  - Endocrine Society
  - American Thyroid Association
  - American Association of Endocrine Surgeons
  - American Association of Clinical Endocrinologists



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

## Management



### Dr. Álvarez Escola, María Cristina

- ♦ Head of the Endocrinology and Nutrition Service at La Paz University Hospital
- ♦ Coordinator for the Endocrine Tumors Committee at La Paz University Hospital
- ♦ Coordinator for the Pituitary Tumors Committee and the Selar Area at La Paz University Hospital
- ♦ Coordinator of the Neuroendocrinology Group at the Congress (SENDIMAD)
- ♦ Member of the National Commission of Endocrinology and Nutrition, Ministry of Health, Spain
- ♦ Doctor in Medicine and Surgery, University of Alcalá(UAH)



### Dr. Fernández Martínez, Alberto

- ♦ Assistant Physician Specialist in General Endocrinology at Móstoles University Hospital Mostoles. University Hospital
- ♦ Attachments Specialist in Endocrinology and Nutrition. La Paz University Hospital
- ♦ Degree in Medicine. University of Barcelona
- ♦ Postgraduate in Neuroendocrinology. Oxford Centre for Diabetes, Endocrinology and Metabolism (OCDEM)
- ♦ Endocrinology Team Assistant responsible for educational activities for diabetic patients. Gran Canaria Diabetes Association (Adigran)
- ♦ Collaborating monitor for health education activities for diabetic patients





### **Dr. Blanco Carrera, Concepción**

- ♦ Specialist in Endocrinology and Nutrition at the University Hospital Príncipe of Asturias
- ♦ Monographic consultation on Pituitary Pathology at the Hospital Universitario Príncipe de Asturias
- ♦ Thyroid Cancer Monographic Consultation at the Príncipe de Asturias University Hospital
- ♦ Multidisciplinary Endocrinology/Oncology and Neuroendocrine Gastroenteropancreatic Tumors and Advanced Thyroid Cancer at the Hospital Universitario Príncipe de Asturias
- ♦ Coordinator of the Endocrine Tumor Committee at the Príncipe de Asturias University Hospital
- ♦ Endocrinology and Nutrition Resident Tutor at Príncipe de Asturias Hospital
- ♦ Specialist Physician in Endocrinology and Nutrition, Area III Specialized Care
- ♦ Medical Specialist in the Endocrinology Service at Albacete University Hospital Complex
- ♦ Associate Professor of Health Sciences at the Universidad Alcalá de Henares, Madrid
- ♦ Degree in Medicine, General Pathology from the University Center of la Defensa de Madrid
- ♦ PhD in Medicine and Surgery from the Autonomous University of Madrid
- ♦ Specialist in Endocrinology and Nutrition, Internal Medical Resident training at Puerta de Hierro Majadahona Hospital
- ♦ Master's Degree in Health Care Unit Clinical Management from Universidad Internacional Menéndez Pelayo(UIMP)
- ♦ Member of the Tumor Committee at the Hospital Universitario Príncipe de Asturias, Coordinator of the Endocrine Tumor Committee at the Hospital Príncipe de Asturias, Secretary of the Neuroendocrinology Knowledge Area of the Spanish Society of Endocrinology and Nutrition (SEEN), Coordinator of the Thyroid Cancer Working Group of the Society of Endocrinology, Nutrition and Diabetes of the Community of Madrid (SENDIMAD), Coordinator of the Neuroendocrinology Working Group of the Society of Endocrinology, Nutrition and Diabetes of the Community of Madrid and Spanish Group of Neuroendocrine and Endocrine Tumors (GETNE)

## Professors

### Dr. Fajardo Montañana, Carmen

- ♦ Head of the Endocrinology Services. La Ribera University Hospital
- ♦ Associate Editor for the Endocrinology, Diabetes and Nutrition Journal. Elsevier
- ♦ Specialist in Endocrinology
- ♦ Degree in Medicine and Surgery. University of Valencia
- ♦ Member of: Neuroendocrinology Area of the Spanish Society of Endocrinology and Nutrition (SEEN), Board of Directors of the Spanish Society of Endocrinology and Nutrition, Board of Directors of the Foundation of the Spanish Society of Endocrinology and Nutrition

### Dr. Familiar Casado, Cristina

- ♦ Faculty Specialist in Endocrinology and Obstrety of Móstoles University Hospital
- ♦ FSEEN Award for the best article in the journal Endocrinology and Nutrition. Elsevier
- ♦ Medical Specialist in Endocrinology and Nutrition at San Carlos Clinic Hospital
- ♦ Responsible for Thyroid Nodule Monographic Consultations
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid

### Dr. Riesco Eizaguirre, Garcilaso

- ♦ Head of the Endocrinology and Nutrition Service at Móstoles University Hospital
- ♦ Medical in the Endocrinology and Nutrition Service at Mostoles University Hospital
- ♦ Refractory Thyroid Cancer Researcher
- ♦ Author of numerous scientific publications
- ♦ Regular speaker at Endocrinology and Nutrition Congresses
- ♦ Member of: Alberto Sols Institute of Biomedical Research

### Dr. Anda Apiñániz, Emma

- ♦ Head of the Endocrinology and Nutrition Service at Navarra University Hospital
- ♦ Teaching Coordinator for the Endocrinology and Nutrition Service at Navarra University Hospital
- ♦ Degree in Medicine from the University of Navarra
- ♦ Doctor in Endocrinology the University of Zaragoza
- ♦ Master's Degree from Health Management from Menéndez Pelayo International University
- ♦ Member of: Spanish Society of Endocrinology and Nutrition

### Dr. Hanzu, Felicia Alexandra

- ♦ Assistant Physician of Endocrinology at Hospital Clínic of Barcelona
- ♦ Associate Researcher of Medicine at Barcelona University
- ♦ Specialist in Endocrinology at the National Institute of Endocrinology CI Parhon (UMPCD)
- ♦ PhD in Medicine and Surgery from the University of Barcelona
- ♦ Bachelor of Medicine, Carol Davila University of Medicine and Pharmacy, Hungary

### Dr. Araujo Castro, Marta

- ♦ Medical Specialist in Endocrinology and Nutrition at Ramón y Cajal University Hospital
- ♦ Degree in Medicine and Surgery from the University of Santiago de Compostela
- ♦ Master's Degree in Health Care Unit Clinical Management from Universidad Internacional Menéndez Pelayo(UIMP)
- ♦ Master's Degree in Research Methodology in Health Sciences, Applied Statistics Laboratory, Autonomous University of Barcelona
- ♦ Diploma in Treatment of Diabetes Mellitus Type 2 at the Autonomous University of Barcelona

**Dr. Lamas Oliveira, Cristina**

- ◆ Specialist in Endocrinology and Nutrition
- ◆ Medical Specialist in the Endocrinology and Nutrition Service at Albacete University Hospital Complex
- ◆ Coordinator of the Neuroendocrinology Area, Spanish Society of Endocrinology Nutrition (SEEN)
- ◆ Student Services of the CastilianManchegan Society of Endocrinology, Nutrition and Diabetes(SCAMEND)
- ◆ PhD in Medicine and Surgery with the Extraordinary Doctorate Award
- ◆ Degree in Medicine and Surgery from the Autonomous University of Madrid
- ◆ Specialist in Endocrinology and Nutrition, Puerta de Hierro Hospital
- ◆ Member of: Spanish Society of Endocrinology and Nutrition(SEEN)

**Dr. Díaz Pérez, José Ángel**

- ◆ Specialist in Endocrinology and Nutrition. San Carlos Clinical Hospital, Madrid
- ◆ Vice President of the Spanish Group of Neuroendocrine and Endocrine Tumors (GETNE)
- ◆ PhD in Medicine and Surgery University of Santiago de Compostela
- ◆ Doctor of Internal Medicine. Complutense University of Madrid
- ◆ Master's Degree in Clinical Management
- ◆ Member of: Tumor Committee. San Carlos Clinical Hospital, Madrid

**Dr. Ayuela García, Susana**

- ◆ Specialist in General and Digestive System Surgery Hepatobiliopancreatic . La Paz University Hospital, Madrid
- ◆ Assistant Physician of General Surgery, Coloproctology Unit. La Paz University Hospital
- ◆ Responsible for Patient Safety in the General Surgery Department. La Paz University Hospital
- ◆ Degree in Medicine and Surgery. Autonomous University of Madrid
- ◆ Master's Degree in Valuation of Body Damage. Complutense University of Madrid
- ◆ Member of: Multidisciplinary Committee on Neuroendocrine Tumors. La Paz University Hospital

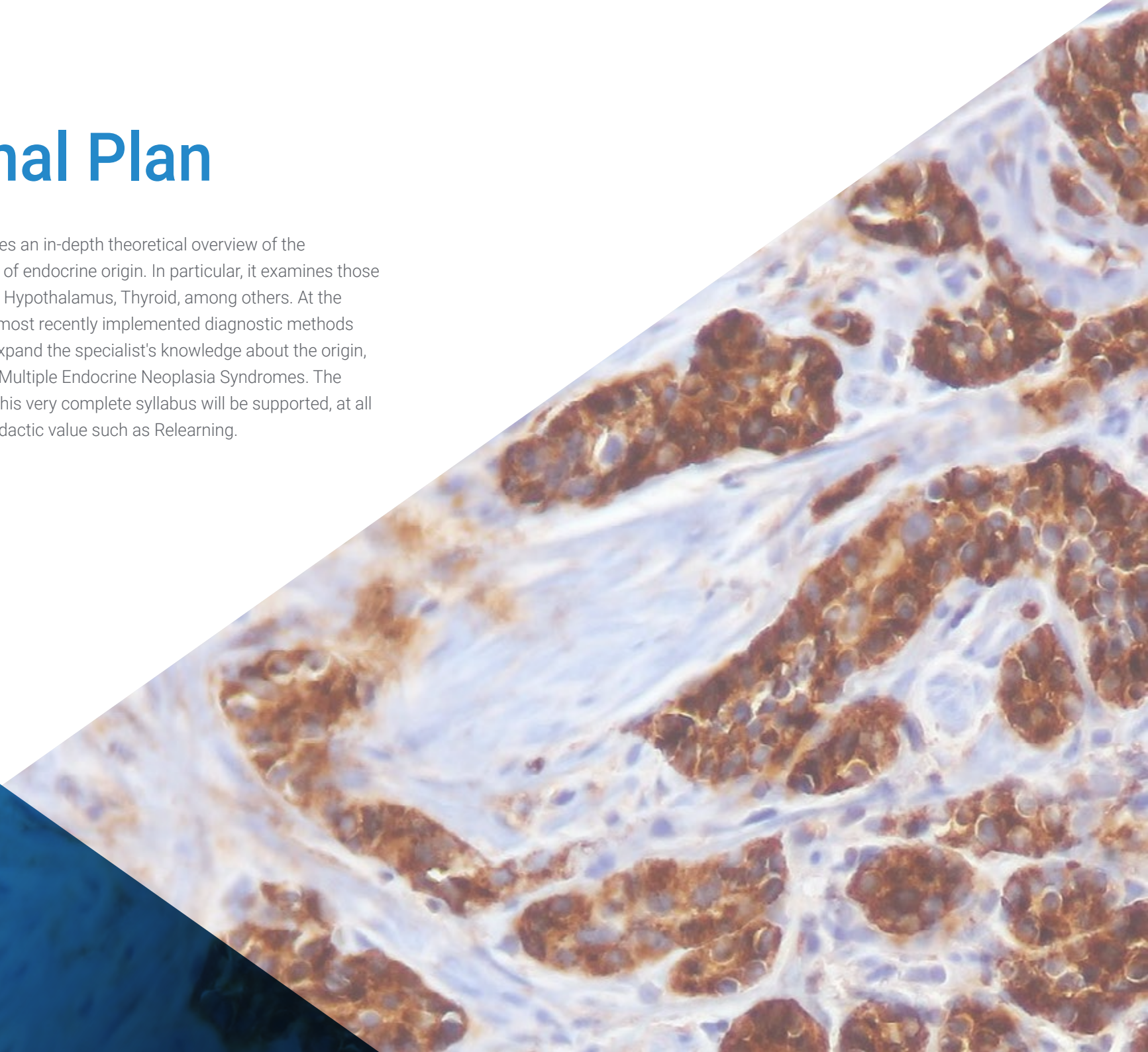
**Dr. Custodio Carretero, Ana Belén**

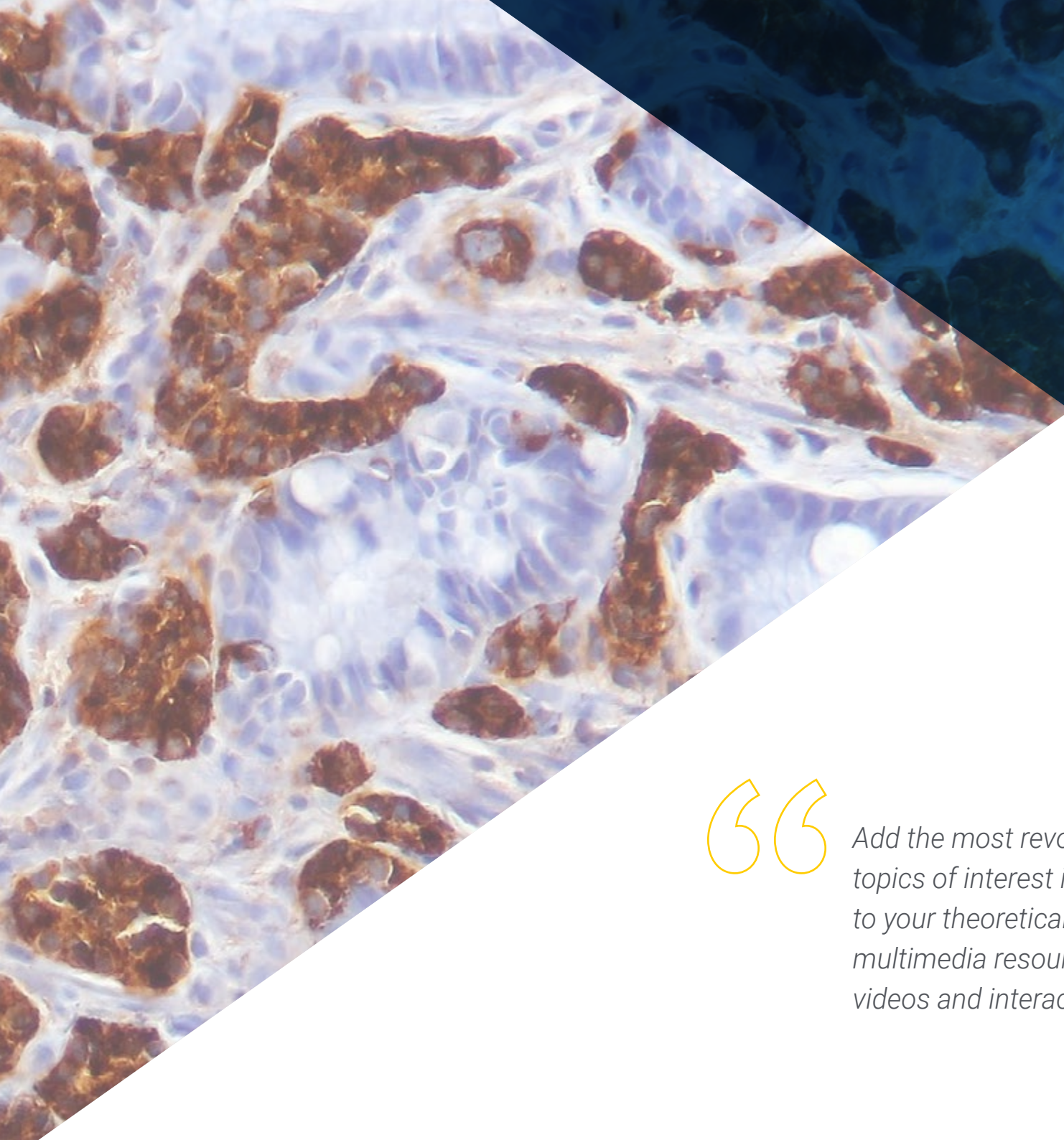
- ◆ Physician in the Department of Medical Oncology at the Research Institute of Hospital university La Paz, IdiPAZ
- ◆ Researcher in Neuroendocrine Tumors
- ◆ Advanced Studies Diploma from the Complutense University of Madrid
- ◆ Bachelor in Medicine and Surgery from the Complutense University of Madrid
- ◆ Member of: Board of Directors of the Spanish Group of Neuroendocrine and Endocrine Tumors(GETNE)

# 06

## Educational Plan

The syllabus of this program provides an in-depth theoretical overview of the pathogenesis of all types of tumors of endocrine origin. In particular, it examines those affecting the glands of the Pituitary, Hypothalamus, Thyroid, among others. At the same time, it analyzes in detail the most recently implemented diagnostic methods in Endocrine Oncology. It will also expand the specialist's knowledge about the origin, symptoms and treatments against Multiple Endocrine Neoplasia Syndromes. The study of the academic modules of this very complete syllabus will be supported, at all times, by methodologies of great didactic value such as Relearning.





“

*Add the most revolutionary concepts and topics of interest in Endocrine Oncology to your theoretical knowledge through multimedia resources such as infographics, videos and interactive summaries”*

## Module 1. Hypothalamic-Pituitary Tumor Pathology

- 1.1. Pituitary Tumors Pathogenesis
- 1.2. Clinical and Prognostic Classification for Sellar Tumors: List Clinical, Radiological, Functional and Anatomical Pathological Elements to Characterize the Prognosis of Sellar Lesions
  - 1.2.1. Adenomas
    - 1.2.1.1. Clinical, Functional and Radiological Classification
    - 1.2.1.2. Pathological Anatomy of Pituitary Adenomas
  - 1.2.2. Non-Adenomatous Sellar Tumors: Rathke's Pouch (Cysts, Craniopharyngiomas), Meningiomas
  - 1.2.3. Non-Proliferative Lesions: Inflammatory, Hemorrhagic
- 1.3. Imaging Study for Hypothalamic-Pituitary Tumor Pathology
- 1.4. Ophthalmologic Evaluation for Hypothalamic-Pituitary Tumor Pathology
- 1.5. Prolactinoma Differential Diagnosis for Hyperprolactinemia
- 1.6. Acromegaly
- 1.7. ACTH-Dependent Cushing's Syndrome: Cushing's Disease
- 1.8. Non-Functioning Pituitary Adenomas and Gonadotropinomas
- 1.9. Less Common Pituitary Adenomas
  - 1.9.1. Thyrotropinomas: Adenomas Plurihormonales
  - 1.9.2. Aggressive Pituitary Adenomas
- 1.10. Other Sellar Area Tumors
  - 1.10.1. Rathke's Pouch Cyst and Craniopharyngioma
  - 1.10.2. Meningioma Pituitaryoma
- 1.11. Surgical Treatment for Sellar and Parasellar Lesions
  - 1.11.1. Surgical Treatment
  - 1.11.2. Postoperative Hypothalamic-Pituitary Functional Evaluation
- 1.12. Radiotherapy and Radionuclide Therapy for Sellar and Parasellar Lesions
  - 1.12.1. Radiotherapy
  - 1.12.2. Radionuclide Therapy
  - 1.12.3. Long-term Monitoring after Radiotherapy
- 1.13. Importance of Tumor Committees and Patient Associations
  - 1.13.1. Multidisciplinary Approach
  - 1.13.2. Role of Patient Associations: Association of Patients Affected by Acromegaly

## Module 2. Thyroid Nodule Management: Parathyroid Tumors

- 2.1. Causes of Nodular Thyroid Disease: Thyroid Incidentaloma
- 2.2. Nodular Thyroid Disease Evaluation: Data Suggesting Malignancy Suspicion
  - 2.2.1. Clinical Data, Personal History, Family History
  - 2.2.2. Exploration Data: Laboratory Data
- 2.3. Ultrasound in the Evaluation of Nodular Thyroid Disease
  - 2.3.1. Cervical Ultrasound
  - 2.3.2. TI-RADS Classification: ATA Classification
- 2.4. Thyroid Gammagraphy: Other Imaging Techniques
- 2.5. Nodular Thyroid Disease Cytological Studies
  - 2.5.1. Fine Needle Aspiration Puncture (FNA) with Ultrasound Monitoring
  - 2.5.2. Bethesda's Classification
- 2.6. Hyperthyroidism Caused by Hyperfunctioning Thyroid Nodule: Hyperfunctioning Multinodular Goiter Treatment
- 2.7. Molecular Markers Use: What to Do with a Bethesda III?
- 2.8. Nodular Thyroid Disease Surgical Treatment
  - 2.8.1. Indications
  - 2.8.2. Types of Treatment
- 2.9. Other treatments
  - 2.9.1. Ethanolization
  - 2.9.2. Laser Thermal Ablation
  - 2.9.3. Radiofrequency Thermal Ablation
- 2.10. Approach to Primary Hyperparathyroidism
  - 2.10.1. Classification
  - 2.10.2. Biochemical Diagnosis
  - 2.10.3. Imaging Tests
  - 2.10.4. Treatment

### Module 3. Differentiated Thyroid Carcinoma (DTC)

- 3.1. Molecular Aspects of Differentiated Thyroid Carcinoma: Clinical Implications
- 3.2. Pathological Anatomy of Thyroid Carcinoma: Classification
- 3.3. Follicular Neoplasm with Papillary-Like Changes (FANFIC)
- 3.4. Papillary Microcarcinoma
  - 3.4.1. Is Only Monitoring Possible?
  - 3.4.2. When to Treat
  - 3.4.3. How to Treat
- 3.5. Initial Staging 8th Classification Differences with the 7th Classification
- 3.6. Surgical Treatment
  - 3.6.1. Initial Surgical Treatment
  - 3.6.2. Relapse Treatment
- 3.7. Radioiodine Treatment
  - 3.7.1. When to Treat
  - 3.7.2. Treatment Dose
  - 3.7.3. Radioiodine Refractoriness
- 3.8. Follow up Dynamic Risk Staging
- 3.9. Treatment of Advanced Unresectable DTC
- 3.10. Importance of Tumor Committees and Patient Associations
  - 3.10.1. Multidisciplinary Approach
  - 3.10.2. Role of Patient Associations: AECAT (Spanish Association of Thyroid Cancer)

### Module 4. Medullary Thyroid Carcinoma (MTC): Other Thyroid Carcinomas

- 4.1. Medullary Thyroid Carcinoma (MTC)
  - 4.1.1. Introduction. Epidemiology
  - 4.1.2. Classification. Anatomopathological Features
  - 4.1.3. Clinical Manifestations
  - 4.1.4. Genetic Studies
- 4.2. MTC: Initial Staging Dynamic Risk Staging
- 4.3. Diagnosis of CMT
  - 4.3.1. Laboratory Tests
  - 4.3.2. Imaging Tests
  - 4.3.3. FNA with Ultrasound Monitoring

- 4.4. MTC: Surgical Treatment
  - 4.4.1. Surgical Scope
  - 4.4.2. Surgical Treatment for Relapse
  - 4.4.3. Surgical Treatment for Metastasis
- 4.5. MTC: Radiotherapy Radionuclide Therapy
- 4.6. MTC: Advanced Unresectable Disease Treatment
  - 4.6.1. Tyrosine Kinase Inhibitors
  - 4.6.2. Other Treatments
- 4.7. MTC: Monitoring and Prognosis
- 4.8. Poorly Differentiated Thyroid Carcinoma: Anaplastic Carcinoma
- 4.9. Thyroid Lymphoma and Other Rare Thyroid Malignancies: Metastases of Other Tumors

### Module 5. Adrenal Cortex Tumors

- 5.1. Adrenal Incidentaloma: Diagnostic Approach
- 5.2. ACTH Independent Cushing's Syndrome Caused by Adrenal Adenoma
- 5.3. Primary Hyperaldosteronism: Cohn's Disease
- 5.4. Adrenocortical Carcinoma (ACC)
  - 5.4.1. Introduction
  - 5.4.2. Medical History and Examination
- 5.5. ACC: Genetic Aspects Laboratory Data Hormone Secretion
- 5.6. ACC: Imaging Tests Ultrasound. CT, MRI, PET-CT
- 5.7. ACC: Pathological Anatomy. Staging. Prognostic Factors
- 5.8. Surgical Treatment
  - 5.8.1. Surgical Treatment for Primary Tumors
  - 5.8.2. Surgery and Other Local Treatments for Advanced Disease
- 5.9. Adjuvant: Radiotherapy Relapse Treatment
- 5.10. Treating Advanced Stages of the Disease

## Module 6. Pheochromocytomas and Paragangliomas

- 6.1. Introduction
  - 6.1.1. Anatomy Recap
  - 6.1.2. Epidemiology
- 6.2. Molecular Basis: Genotype-Phenotype Correlation
- 6.3. Clinical Manifestations: Ways It Presents Itself
- 6.4. Laboratory Data
- 6.5. Imaging Tests
- 6.6. Surgical Treatment
  - 6.6.1. Adrenergic Block
  - 6.6.2. Surgery for Pheochromocytomas and Paragangliomas: Embolization
- 6.7. Radionuclide Therapy: Radiotherapy
- 6.8. Treating Advanced Stages of the Disease
- 6.9. Prognosis and Monitoring
  - 6.9.1. Different Mutation Carrier Monitoring
  - 6.9.2. Long-Term Monitoring
  - 6.9.3. Prognosis
- 6.10. Importance of Tumor Committees and Patient Associations
  - 6.10.1. Multidisciplinary Approach
  - 6.10.2. Role of Patient Associations

## Module 7. Multiple Endocrine Neoplasm Syndromes

- 7.1. Multiple Endocrine Neoplasia Type I (MEN I): Genetics
  - 7.1.1. MEN I Genetics
  - 7.1.2. When to Perform a Genetic Study to Rule Out Mutation in the Menin Gene
  - 7.1.3. Genetic Counseling for MEN I: Preimplantational Diagnosis
- 7.2. Clinical Manifestations of the Syndrome: Ways MEN I Presents Itself
- 7.3. Laboratory Tests at Initial Evaluation and Subsequent Monitoring
- 7.4. MEN I. Imaging Tests at Initial Evaluation and Subsequent Monitoring
- 7.5. MEN I. Primary Hyperparathyroidism (PHPT) Treatment: Relapse Management
- 7.6. MEN I. Pancreatic Neuroendocrine Tumors: Surgical Indications

- 7.7. Managing of Other Tumors
  - 7.7.1. Neuroendocrine Tumors (NETs) in Atypical Locations: Bronchial and Thymic NETs
  - 7.7.2. Screening, Monitoring and Treatment for Other Neoplasms
- 7.8. Multiple Endocrine Neoplasm Type II (MEN II): MEN II Genetics
  - 7.8.1. RET Oncogene
  - 7.8.2. Genotype-Phenotype Correlation
  - 7.8.3. Less Common Mutations
- 7.9. MEN II: Medullary Carcinoma
  - 7.9.1. Evaluation and Monitoring after Knowing the Carrier's Condition
  - 7.9.2. Prophylactic Thyroidectomy
- 7.10. MEN II: Primary Pheochromocytoma and Hyperparathyroidism
  - 7.10.1. Evaluation and Monitoring after Knowing the Carrier's Condition
  - 7.10.2. Indications for Hyperparathyroidism Treatment in MEN II Patients
- 7.11. MEN II: Other MEN II Manifestations
- 7.12. Others Multiple Endocrine Neoplasm Syndromes

## Module 8. Gastroenteropancreatic Neuroendocrine Tumors (GEP-NETs)

- 8.1. Gastroenteropancreatic Neuroendocrine Tumors
  - 8.1.1. Concept
  - 8.1.2. Epidemiology
- 8.2. Molecular and Cellular Basis
- 8.3. Pathological Anatomy
  - 8.3.1. Classification Systems
- 8.4. Lung and Thymus NETs
- 8.5. Gastric NETs
- 8.6. Intestinal NETs: Appendix NET
- 8.7. Non-Functioning Pancreatic NETs
- 8.8. Gastrinoma
- 8.9. Insulinoma
- 8.10. Gucagonoma, Somatostatinoma, Vipoma: Other Functioning Tumors



## Module 9. GEP-NET: Anatomical and Functional Diagnosis Treating Locoregional Disease

- 9.1. Carcinoid Syndrome: Carcinoid Cardiopathy
- 9.2. ACTH and Other Hormone Ectopic Secretion Syndromes
- 9.3. GEP-NET Diagnosis and Monitoring: Biological Markers
  - 9.3.1. Usefulness in Diagnosis and Monitoring
- 9.4. GEP-NET Diagnosis and Monitoring: Endoscopy and Echoendoscopy-Guided Fine Needle Aspiration Puncture (FNA) in the Diagnosis and Monitoring of GEP-NET
- 9.5. GEP-NET Diagnosis and Monitoring: Imaging Tests I
  - 9.5.1. Ultrasound, Computerized Tomography, Magnetic Resonance Imaging
  - 9.5.2. Treatment Response Criteria (RECIST, Choi, and Others)
- 9.6. GEP-NET Diagnosis and Monitoring: Imaging Tests II Nuclear Medicine in the Diagnosis and Monitoring of GEP-NETs
- 9.7. Surgical Treatment for Pulmonary NET
- 9.8. Surgical Treatment for Gastric NET
- 9.9. Surgical Treatment for Intestinal NET
- 9.10. Surgical Treatment for Pancreatic NET
  - 9.10.1. Treatment for Incidentally Discovered Non-Functioning Pancreatic NETs: Surgery / Monitoring
- 9.11. Surgical Treatment for G3 Tumors: Surgical Treatment for MINEN

## Module 10. Gastroenteropancreatic Neuroendocrine Tumors: Treating Advanced Stages of the Disease

- 10.1. Surgical Treatment in Advanced Stages of the Disease
  - 10.1.1. Surgical Treatment Indication for Primary Tumors
  - 10.1.2. Surgical Treatment for Liver and Other Metastases
- 10.2. Locoregional Treatments
  - 10.2.1. Embolization
  - 10.2.2. Radiofrequency
  - 10.2.3. Other Locoregional Treatments
- 10.3. Biological Treatments: Somatostatin Analogues and Others
- 10.4. Chemotherapy and Targeted Therapies: Role of Immunotherapy
- 10.5. Theragnosis: Radionuclide Therapy
- 10.6. Treatment Sequencing
- 10.7. Nutritional Management for GEP-NET Patients
- 10.8. Importance of Tumor Committees and Patient Associations
  - 10.8.1. Multidisciplinary Approach
  - 10.8.2. Role of Patient Associations: NET Spain



*The first phase of this Hybrid Master's degree will be based on a 100% online platform with multimedia resources of great didactic value for the theoretical mastery of its contents"*

07

# Clinical Internship

At the end of the online period of this Hybrid Master, the oncologist will have the opportunity to develop, in first person, the most recent assistance techniques against Endocrine Oncologic Pathologies. This is possible thanks to the fact that TECH has combined, for this clinical practice modality, the access to first level hospital institutions within this health field.





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*During 3 weeks of practical, face-to-face and intensive learning, you will work together with leading experts in the diagnosis and treatment of Endocrine Oncologic Pathologies”*

The practical and face-to-face stay consists of 3 weeks, during which the specialist will complete 8-hour consecutive days from Monday to Friday in a health institution of international prestige. The facilities chosen for this learning model are equipped with the most up-to-date technological resources on the market, contributing adequately to the updating of the doctors.

On the other hand, the healthcare professional will also have at his disposal a recognized staff of experts. All of them have in-depth knowledge of the new strategies for the management of complex endocrine tumors such as those affecting the pituitary and thyroid glands, among others. Likewise, each graduate will have an assistant tutor, a figure assigned to organize and supervise the clinical work and, at the same time, provide intensive and rigorous monitoring of their progress.

The practical part will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for of medicine praxis (learning to be and learning to relate).

The procedures described below will form the basis of the practical part of the internship, and their implementation is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:





Module	Practical Activity
<b>Diagnosis of Endocrine Oncologic Pathologies</b>	Correctly assess the different hormones obtained from blood or urine samples to find indicators of endocrine oncologic disease
	Inject a stimulating factor or induce a physical stimulus and, by means of these functional tests, evaluate hormone production
	Obtain a functional image of the brain through Magnetic Resonance Imaging equipment.
	Diagnose pituitary tumors through Computed Axial Tomography devices
	Locate the origin of ACTH-producing tumors through petrosal sinus catheterization
	Use Gammagraphy to detect all kinds of endocrine tumors
<b>New trends in the treatment of neuroendocrine tumors</b>	Implement peptide receptor radionuclide therapy, giving the patient a drug that attacks cancer cells with a small amount of radioactive substance such as Lutetium Lu 177 dotatate (Lutathera)
	Treating patients with aggravated neuroendocrine tumors by means of Neoadjuvant Radiotherapy
	Administer chemotherapeutic drugs or serums against cancer cells. of Neuroendocrine Tumors
	Remove the entire tumor and some of the surrounding healthy tissue, or as much of it as possible, through surgery and radiosurgery
	Control the excess of hormones released by the Neuroendocrine Tumor through specific pharmacotherapy
<b>Genetic approach of Endocrine Neoplasia of Multiple Endocrine Neoplasia Syndromes</b>	Indicate genetic testing to a family unit showing a history of genetic mutations related to Multiple Endocrine Neoplasia Syndromes
	Organize follow-up of carriers of gene mutations of the different Multiple Endocrine Neoplasia Syndromes
	Establish recommendations regarding lifestyle, physical exercise, cardiovascular health, nutrition and types of diet
<b>Latest strategies in patient management to ensure their proper recovery</b>	Manage secondary pathologies derived from chemotherapy toxicities such as anemia, neuropathy, mucositis, diarrhea, vomiting, among others
	Optimize the treatment of previous diseases such as diabetes, chronic bronchitis or heart failure
	Preserve fertility in young patients who have not fulfilled their desire to become parents
	Develop outpatient treatment strategies, aimed at rationalizing the use of hospital resources, and improving the quality of life and well-being of patients and their families
	Addressing symptoms associated with Endocrine Oncologic Pathologies, such as Chronic Pain

## 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 practical training 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 for Practical Training

The general terms and conditions of the internship program agreement shall be as follows:

**1. TUTOR:** During the Hybrid Professional 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 Professional 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 Professional Master's Degree will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** the Hybrid Professional 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 Professional 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 Professional 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?

At the end of this program, the physician will have to perform a practical and on-site stay in a first level and prestigious health institution. In this institution, they will apply the most innovative protocols and health strategies for the management of pathologies such as Neuroendocrine Tumors, Parathyroid Tumors or Multiple Endocrine Neoplasia Syndromes. These innovative procedures will be developed in real patients thanks to the immersive nature of this training. In addition, specialists have the opportunity to choose the facility that best suits their geographic location and pedagogical improvement interests.







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*Enroll in this TECH program and gain access to a first class clinical practice, in a prestigious hospital center, equipped with the best resources for the management of Endocrine Oncologic Pathologies”*



The student will be able to complete the practical part of this Hybrid Professional 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
- Palliative Care



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 La Esperanza

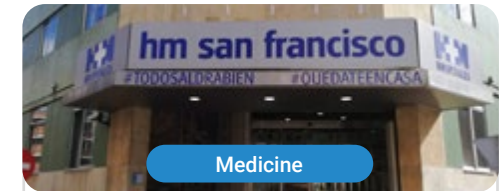
Country	City
Spain	La Coruña

Address: Av. das Burgas, 2, 15705, Santiago de Compostela, A Coruña

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

**Related internship programs:**

- Oncology Nursing
- Clinical Ophthalmology



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 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:**

- Palliative Care
- 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:**

- Palliative Care
- 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
- Palliative Care



Medicine

### Hospital HM Sanchinarro

Country: Spain  
City: 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
- Palliative Care



Medicine

### Hospital HM Nuevo Belén

Country: Spain  
City: 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: Spain  
City: Madrid

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

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

**Related internship programs:**

- Palliative Care
- Clinical Ophthalmology



Medicine

### Hospital HM Vallés

Country: Spain  
City: Madrid

Address: Calle Santiago, 14, 28801, Alcalá de Henares, Madrid

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

**Related internship programs:**

- Gynecologic Oncology
- Clinical Ophthalmology



Medicine

### HM CIOCC - Centro Integral Oncológico Clara Campal

Country: Spain  
City: Madrid

Address: Calle de Oña, 10, 28050, Madrid

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

**Related internship programs:**

- Gynecologic Oncology
- Clinical Ophthalmology



Medicine

### HM CIOCC Barcelona

Country: Spain  
City: Barcelona

Address: Avenida de Vallcarca, 151, 08023, Barcelona

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

**Related internship programs:**

- Advances in Hematology and Hemotherapy
- Oncology Nursing



Medicine

### HM CIOCC Galicia

Country: Spain  
City: La Coruña

Address: Avenida das Burgas, 2, 15705, Santiago de Compostela

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

**Related internship programs:**

- Gynecologic Oncology
- Clinical Ophthalmology

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.



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

## At TECH we use the Case Method

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

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



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

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

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

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



## Relearning Methodology

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

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

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





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

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

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

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

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



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



#### Study Material

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

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



#### Surgical Techniques and Procedures on Video

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



#### Interactive Summaries

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

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



#### Additional Reading

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





**Expert-Led Case Studies and Case Analysis**

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



**Testing & Retesting**

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



**Classes**

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



**Quick Action Guides**

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



# 10 Certificate

This Hybrid Professional Master's Degree in Endocrine Oncologic Pathology guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree diploma issued by TECH Global University.



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

This program will allow you to obtain your **Hybrid Professional Master's Degree certificate in Endocrine Oncologic Pathology** endorsed by **TECH Global University**, the world's largest online university.

**TECH Global University** is an official European University publicly recognized by the Government of Andorra ([official bulletin](#)). Andorra is part of the European Higher Education Area (EHEA) since 2003. The EHEA is an initiative promoted by the European Union that aims to organize the international training framework and harmonize the higher education systems of the member countries of this space. The project promotes common values, the implementation of collaborative tools and strengthening its quality assurance mechanisms to enhance collaboration and mobility among students, researchers and academics.

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

Title: **Hybrid Professional Master's Degree in Endocrine Oncologic Pathology**

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

Duration: **12 months**

Certificate: **TECH Global University**

Recognition: **60 + 5 ECTS Credits**



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



**Hybrid Professional Master's Degree**  
**Endocrine Oncologic Pathology**

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

60 + 5 ECTS Credits

# Hybrid Professional Master's Degree

## Endocrine Oncologic Pathology