



Multiple Endocrine Neoplasm Syndromes

» Modality: online

» Duration: 6 weeks

» Certificate: TECH Global University

» Credits: 6 ECTS

» Schedule: at your own pace

» Exams: online

Website: www.techtitute.com/us/medicine/postgraduate-certificate/multiple-endocrine-neoplasm-syndromes

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tech 06 | Introduction

In Endocrine Oncology, it is extremely important to know the main pathologies, especially if they are of hereditary origin, as they can help to detect and diagnose tumors earlier. Thus, Multiple Endocrine Neoplasm Syndromes represent an interesting field of research for every Oncologist, since their Hereditary Condition makes it possible to obtain a unique and distinctive specialization in every area of Oncology.

For this reason, the Postgraduate Certificate in Multiple Endocrine Neoplasm Syndromes has been developed by a team of Endocrinologists with experience in the treatment of this kind of pathologies, so students can obtain the best possible training in the field. Throughout the entire syllabus, students will learn the most advanced tests, techniques and treatments to effectively address Multiple Endocrine Neoplasm Type I and II.

TECH is aware students may have difficulties in undertaking the teaching requirements of a program of these characteristics, so it is offered in a completely online format, convenient for students because they can download the entire syllabus from any device with an Internet connection. As there are no classes or timetables, students can choose when, where and how to manage their study time.

This **Postgraduate Certificate in Multiple Endocrine Neoplasm Syndromes** contains the most complete and up to date scientific program on the market. Its most notable features are:

- Case studies presented by experts in Endocrine Oncologic
- The graphic, schematic, and eminently practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Practical exercises where self assessment can be used to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection



At TECH you will find a teaching staff committed to their students, willing to give their best to see them grow professionally"



The best Professional Oncologists must have training commensurate with the level of their career. Enroll today in this Postgraduate Certificate and be at the forefront of your department"

The program's teaching staff includes professionals in the sector who contribute their work experience to this training program, as well as renowned specialists from leading societies and prestigious universities.

The multimedia content, developed with the latest educational technology, will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training 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 during the academic year. For this purpose, the student will be assisted by an innovative interactive video system created by renowned and experienced experts.

This is the future of education, one in which you have the freedom to choose when you want to study, without being tied to schedules or classes.

You will be able to apply for healthcare positions of greater responsibility thanks to the professors' own experience at the head of hospital departments.







tech 10 | Objectives



General Objectives

- Deepen the knowledge, diagnosis and treatment of Endocrine Oncologic Pathology
- Achieve an update in the most novel aspects in the Diagnosis and Treatment of Endocrine Oncologic Pathology
- Advance in the Multidisciplinary Approach essential for the Management of Endocrine Oncologic Pathology







Specific Objectives

- Advance in the knowledge of the Hereditary Syndromes of Multiple Endocrine Neoplasia
- Gain deeper understanding of how to monitor Gene Mutation Carriers for the different Syndromes
- Evaluate and monitor family members and relatives



You will see your expectations exceeded when you enroll in this Postgraduate Certificate, and see for yourself the quality of the teaching materials"





tech 14 | Course Management

International Guest Director

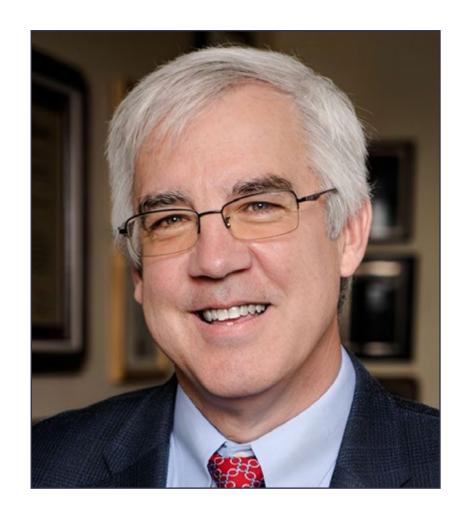
Dr. R. Michael Tuttle has developed, for more than 3 decades, a successful career in the medical field of Endocrinology. Thanks to his exceptional skills, this expert has received numerous international awards. He has received the Lewis Braverman Lectureship Award from the American Thyroid Association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

- 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



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Management



Dr. Álvarez Escola, María Cristina

- Head of the Endocrinology and Nutrition Service at La Paz University Hospital
- Resident Tutor in the Endocrinology and Nutrition Service at the La Paz University Hospital
- Coordinator for the Endocrine Tumors Committee at La Paz University Hospita
- Coordinator for the Pituitary Tumors Committee and the Selar Area at La Paz University Hospital
- Coordinator for the SENDIMAD Neuroendocrinology Group
- Member of the National Commission of Endocrinology and Nutrition, Ministry of Health, Spain
- PhD in Medicine and Surgery from the University of Alcalá de Henares

Co-Direction



Dr. Fernández Martínez, Alberto

- Assistant Physician Specialist in General Endocrinology at Móstoles University Hospital
- Attending physician specializing in Endocrinology and Nutrition at La Paz University Hospital
- Degree in Medicine from the University of Barcelona
- Postgraduate Specialization in Neuroendocrinology at the Oxford Centre for Diabetes, Endocrinology and Metabolism
- Endocrinology Team Assistant responsible for educational activities for diabetic patients at the Gran Canaria Diabetic Association
- Collaborating monitor for health education activities for diabetic patients



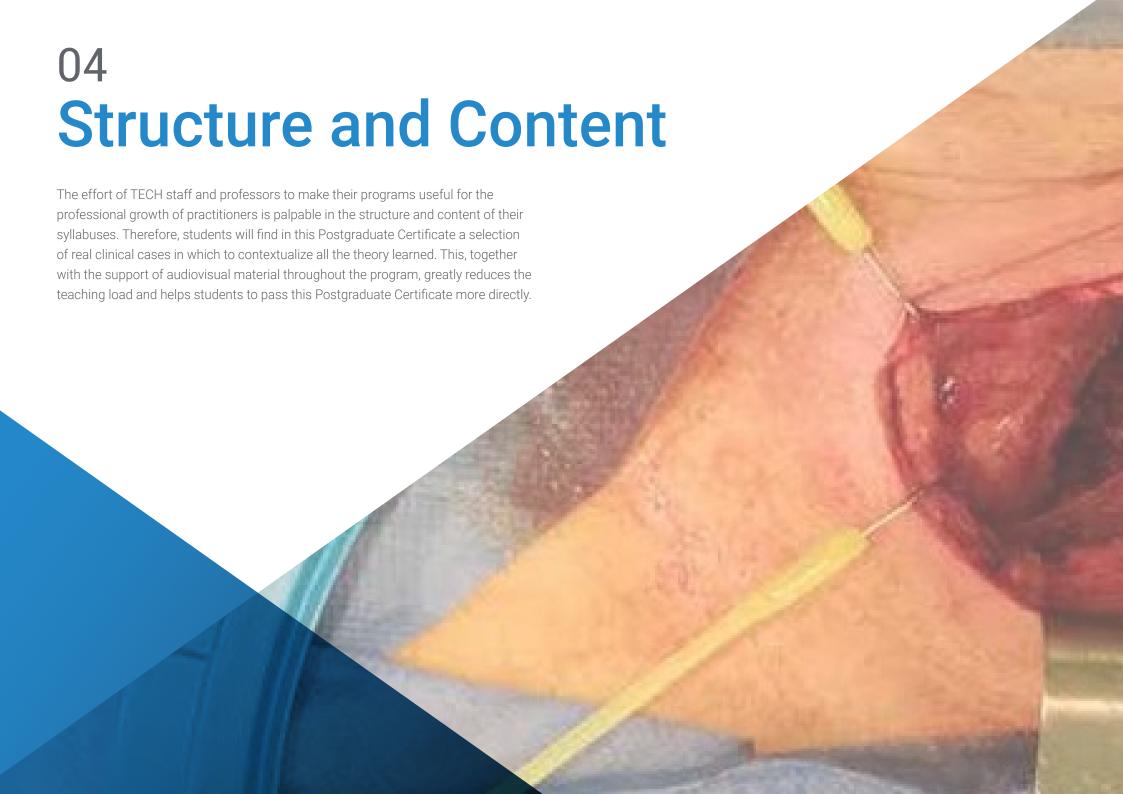
Dr. Blanco Carrera, Concepción

- 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 General Hospital
- PhD in Medicine and Surgery from the Autonomous University of Madrid
- Specialist in Endocrinology and Nutrition, MIR training at Puerta de Hierro Hospital
- Master's Degree in Health Care Unit Clinical Management from Universidad Internacional Menéndez Pelayo

Professors

Dr. Lamas Oliveira, Cristina

- Medical Specialist in the Endocrinology and Nutrition Service at Albacete University Hospital Complex
- Coordinator of the Neuroendocrinology Area, Spanish Society of Endocrinology Nutrition (SEEN)
- Secretary of the Castilian Manchegan Society of Endocrinology, Nutrition and Diabetes
- Degree in Medicine and Surgery from the Autonomous University of Madrid
- Specialist in Endocrinology and Nutrition, Puerta de Hierro Hospital
- PhD in Medicine and Surgery with extraordinary doctoral award for the thesis "Cushing's Disease: Results of surgical treatment and analysis of prognostic factors of cure and recurrence in long term monitoring"





tech 20 | Structure and Content

Module 1. Multiple Endocrine Neoplasm Syndromes

- 1.1. Multiple Endocrine Neoplasia Type I (MEN I): Genetics
 - 1.1.1. MEN I Genetics
 - 1.1.2. When to Perform a Genetic Study to Rule Out Mutation in the Menin Gene
 - 1.1.3. Genetic Counseling for MEN I: Preimplantational Diagnosis
- 1.2. Clinical Manifestations of the Syndrome: Ways MEN I Presents Itself
- 1.3. Laboratory Tests at Initial Evaluation and Subsequent Monitoring
- 1.4. MEN I. Imaging Tests at Initial Evaluation and Subsequent Monitoring
- 1.5. MEN I. Primary Hyperparathyroidism (PHPT) Treatment: Relapse Management
- 1.6. MEN I. Pancreatic Neuroendocrine Tumors: Surgical Indications
- 1.7. Managing of Other Tumors
 - 1.7.1. Neuroendocrine Tumors (NETs) in Atypical Locations: Bronchial and Thymic NETs
 - 1.7.2. Screening, Monitoring and Treatment for Other Neoplasms
- 1.8. Multiple Endocrine Neoplasm Type II (MEN II): MEN II Genetics
 - 1.8.1. RET Oncogene
 - 1.8.2. Genotype-Phenotype Correlation
 - 1.8.3. Less Common Mutations
- 1.9. MEN II: Medullary Carcinoma
 - 1.9.1. Evaluation and Monitoring after Knowing the Carrier's Condition
 - 1.9.2. Prophylactic Thyroidectomy
- 1.10. MEN II: Primary Pheochromocytoma and Hyperparathyroidism
 - 1.10.1. Evaluation and Monitoring after Knowing the Carrier's Condition
 - 1.10.2. Indications for Hyperparathyroidism Treatment in MEN II Patients
 - 1.10.3. Other MEN II Manifestations
- 1.11. MEN II: Other MEN II Manifestations
- 1.12. Others Multiple Endocrine Neoplasm Syndromes







The most complete course in Multiple Endocrine Neoplasm Syndromes is at your fingertips, don't wait any longer and enroll today"





tech 24 | Methodology

At TECH we use the Case Method

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

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



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



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

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

- 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.



Methodology | 27 tech

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

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

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

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

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

tech 28 | Methodology

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



Study Material

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

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



Surgical Techniques and Procedures on Video

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



Interactive Summaries

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

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





Additional Reading

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

Expert-Led Case Studies and Case Analysis

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



Testing & Retesting

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



Classes

There is scientific evidence on the usefulness of learning by observing experts.

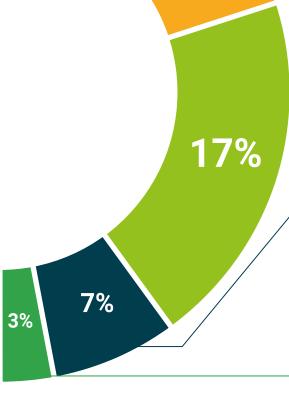
The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



Quick Action Guides

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









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This program will allow you to obtain your **Postgraduate Certificate in Multiple Endocrine Neoplasm Syndromes** endorsed by **TECH Global University**, the world's largest online university.

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

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

Title: Postgraduate Certificate in Multiple Endocrine Neoplasm Syndromes

Modality: online

Duration: 6 weeks

Accreditation: 6 ECTS



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

Postgraduate Certificate in Multiple Endocrine Neoplasm Syndromes

This is a program of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

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

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



tech global university



Postgraduate Certificate Multiple Endocrine Neoplasm Syndromes

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

