

# Postgraduate Certificate Neuroendocrine Tumors



## Postgraduate Certificate Neuroendocrine Tumors

- » Modality: online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/in/medicine/postgraduate-certificate/neuroendocrine-tumors](http://www.techtute.com/in/medicine/postgraduate-certificate/neuroendocrine-tumors)

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# 01

# Introduction

Neuroendocrine Tumors are a major concern today. Its incidence has increased in recent years, but this is due to improved detection methods such as those offered by Nuclear Medicine. Thus, this discipline is perfect for diagnosing oncological pathologies, which is why it is increasingly in demand and its professionals are highly valued. For this reason, this qualification offers its students to specialize in this field, so that they can become experts highly demanded by the best Nuclear Medicine services in the country, where they will provide an important diagnostic and treatment service to oncology patients.



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*Apply the best Nuclear Medicine procedures to detect and treat endocrine tumors thanks to this Postgraduate Certificate”*



At present, Nuclear Medicine offers numerous solutions in various health fields. One of them is oncology, which is also a great social concern, so its contribution in this field is highly valued; specifically, its participation in the diagnosis and treatment of Neuroendocrine Tumors where it is very prominent.

The incidence of this type of tumor has increased in recent years, although this is due to improvements in detection methods, to which Nuclear Medicine has made a decisive contribution. Thus, this Postgraduate Certificate in Neuroendocrine Tumors is a specialized qualification that will turn the students who take it into experts in the treatment of these pathologies by applying Nuclear Medicine procedures.

This may represent a great professional advance for them, since this is a growing field to which Nuclear Medicine services are giving more and more importance. For that reason, completing this program can be a great opportunity to gain access to the best specialized hospitals or to update knowledge in the field.

To achieve this, students will be provided with high-level contents that they will be able to learn in this qualification, such as molecular techniques, radiometabolic therapy, endoscopic and imaging techniques, and other diagnostic and treatment procedures existing in Nuclear Medicine.

All this, following an innovative teaching methodology 100% online, which guarantees that students can combine their studies with their professional careers, while learning all this knowledge following practical exercises and dynamic activities throughout the learning process.

This **Postgraduate Certificate in Neuroendocrine Tumors** is the most complete and up-to-date scientific program on the market. Its most notable features are:

- ♦ The development of case studies presented by experts in Nuclear Medicine and Oncology
- ♦ 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



*Nuclear Medicine has numerous applications in the field of oncology. Do not miss this opportunity to specialize and enroll in this Postgraduate Certificate"*



*Neuroendocrine Tumors are common but Nuclear Medicine offers numerous resources to diagnose and treat them"*

The program's teaching staff includes professionals from 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.

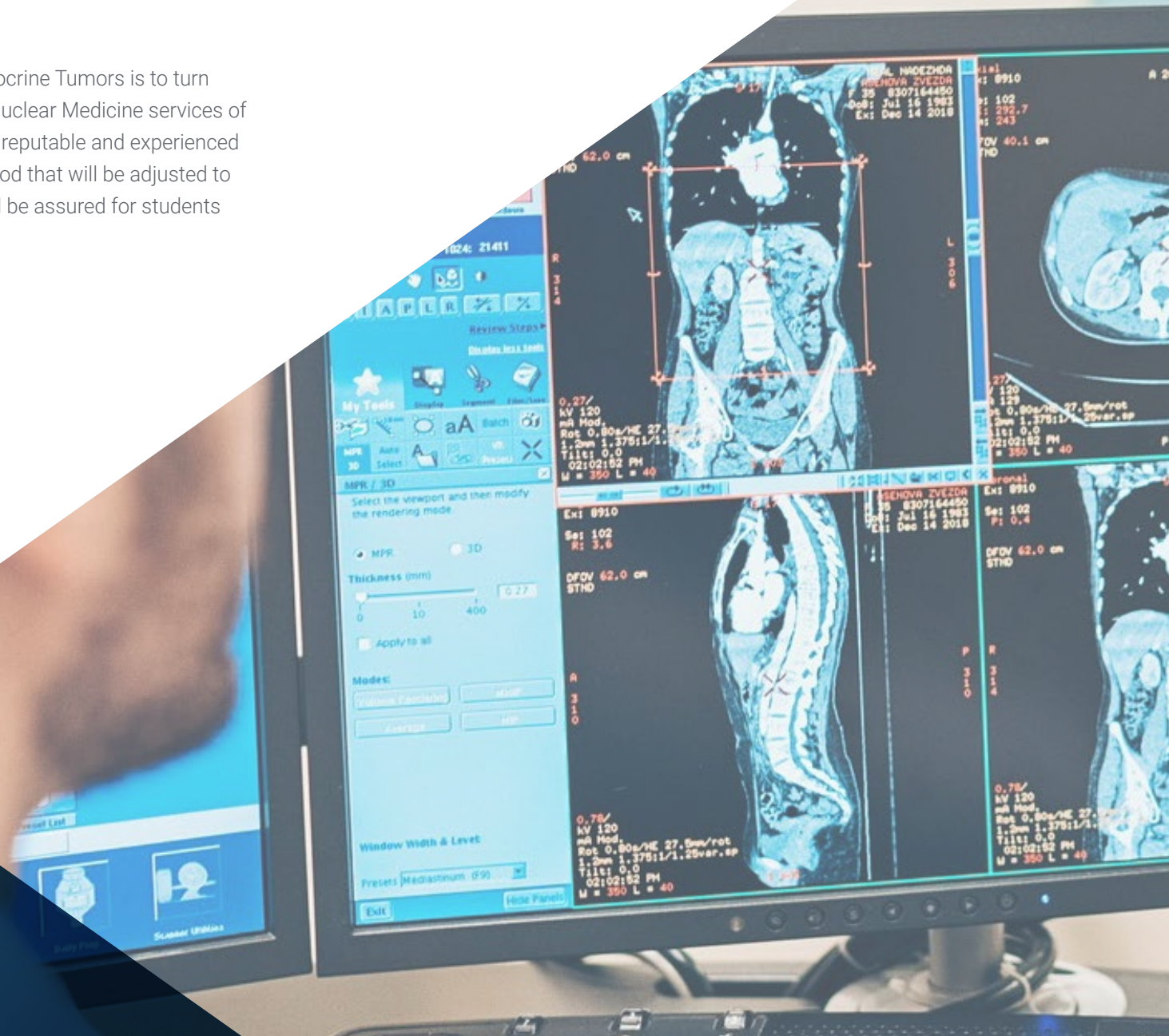
*Specialize and gain access to the Nuclear Medicine service of a prestigious hospital.*

*This qualification is the fastest path to career advancement.*



# 02 Objectives

The main goal of this Postgraduate Certificate in Neuroendocrine Tumors is to turn students into experts highly sought after by hospitals and Nuclear Medicine services of great prestige. To achieve this, it offers high-level content, a reputable and experienced teaching staff, and a flexible approach to the teaching method that will be adjusted to the circumstances of each student. In this way, success will be assured for students completing this qualification.







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*You will be the most reputable doctor in your hospital when you complete this qualification"*



## General Objectives

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- ♦ Update the specialist in Nuclear Medicine
- ♦ Perform and interpret functional tests in an integrated and sequential manner
- ♦ Achieve diagnostic guidance for patients
- ♦ Assist in deciding the best therapeutic strategy, including radiometabolic therapy, for each patient
- ♦ Apply clinical and biochemical criteria for the diagnosis of infections and inflammations
- ♦ Learn about the new therapies of Nuclear Medicine





## Specific Objectives

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- ♦ Delve into the clinical, diagnostic and therapeutic aspects of NETs
- ♦ Position Nuclear Medicine both in the diagnostic and therapeutic aspects in the appropriate context

“*You have big goals, and this Postgraduate Certificate helps you achieve them”*

03

# Course Management

An experienced and highly qualified faculty provides students with all the knowledge on Nuclear Medicine applied to Neuroendocrine Tumors. In this way, the students of this Postgraduate Certificate will be able to obtain up to date skills and competencies on this subject, directly extracted from the professional practice of the best specialists in this area. This means that doctors who complete this program can immediately apply everything they have learned in their medical practices.





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*Learn from the best and get the career advancement you've been looking for”*



## Management



### Dr. Mitjavila, Mercedes

- ♦ Head of Nuclear Medicine Service Puerta de Hierro University Hospital Majadahonda, Madrid
- ♦ Project Manager of the Nuclear Medicine Unit in the Diagnostic Imaging Department of the Alcorcón Foundation University Hospital
- ♦ Head of Service of Nuclear Medicine of the Puerta de Hierro Hospital, Majadahonda. Competitive examination BOCM
- ♦ Degree in Medicine and General Surgery from the University of Alcalá de Henares
- ♦ MIR in Nuclear Medicine Specialist by the MIR System
- ♦ PhD in Medicine and General Surgery from the University of Alcalá de Henares
- ♦ Interim Physician of the Nuclear Medicine Service of the Ramón y Cajal Hospital
- ♦ Interim Physician in the Nuclear Medicine Unit at Getafe University Hospital



## Professors

### Dr. Muros de Fuentes, María Angustias

- ♦ Nuclear Medicine in the Andalusian Health Service
- ♦ Degree in Medicine and Surgery. University of Granada
- ♦ Doctor of Medicine and Surgery. University of Granada
- ♦ Research: Galenic development and biodistribution study of the radiopharmaceutical  $^{99m}\text{Tc}$ -dextran for isotopic ventriculography studies
- ♦ Research: Utility of lymphogrammagraphy and SLNB in the treatment of thyroid cancer

04

# Structure and Content

This Postgraduate Certificate in Neuroendocrine Tumors has been designed by leading experts in Oncology and Nuclear Medicine, who have been responsible for incorporating into the syllabus all the most relevant issues of these subjects. Thus, students who pursue this qualification will be able to access the best and most up-to-date content in this constantly evolving field. Therefore, throughout the module that makes up this program, students will learn everything they need to successfully diagnose and treat this type of tumors.





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*There is no better content than this to learn  
how to treat Neuroendocrine Tumors with  
Nuclear Medicine techniques”*



## Module 1. Neuroendocrine Tumors

- 1.1. Causes and Risk Factors
  - 1.1.1. Hereditary Syndromes
- 1.2. Clinical Presentation
  - 1.2.1. Signs
  - 1.2.2. Symptoms: Endocrine Syndromes
- 1.3. Anatomopathological Diagnosis
  - 1.3.1. Degrees of Cellular Differentiation
  - 1.3.2. Classification
- 1.4. Subtypes and Locations
  - 1.4.1. Extrapancreatic
  - 1.4.2. Pancreatic
- 1.5. Staging
  - 1.5.1. Endoscopic Technique
  - 1.5.2. Imaging Techniques
  - 1.5.3. Echo, CT, MRI
- 1.6. Molecular Techniques
  - 1.6.1.  $^{111}\text{In}$ ,  $^{99\text{m}}\text{Tc}$ ,  $^{68}\text{Ga}$ -labeled Somatostatin Analogs
  - 1.6.2. Advantages and Disadvantages of Each of Them Best Choice Based on Availability
  - 1.6.3.  $^{18}\text{F}$ -FDG: Contributions to Patient Management
  - 1.6.4. Combined FDG-Somatostatin Analogues Studies
  - 1.6.5. Other Targets
- 1.7. Treatment
  - 1.7.1. Treatments Available
  - 1.7.2. Radiometabolic Therapy: When and How?
- 1.8. Assessment of Response to Treatment
  - 1.8.1. Clinical-Biochemistry
  - 1.8.2. Morphological
  - 1.8.3. Functional Criteria
- 1.9. Monitoring
  - 1.9.1. Clinical-Biochemistry
  - 1.9.2. Image: Morphological and Functional Best Sequence
- 1.10. Clinical Trials
  - 1.10.1. Therapy Sequencing
  - 1.10.2. Association: Combined Treatments



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*Nuclear Medicine is booming and with this Postgraduate Certificate you will be able to take advantage of the opportunity to access one of the positions you aspire”*

# 05 Methodology

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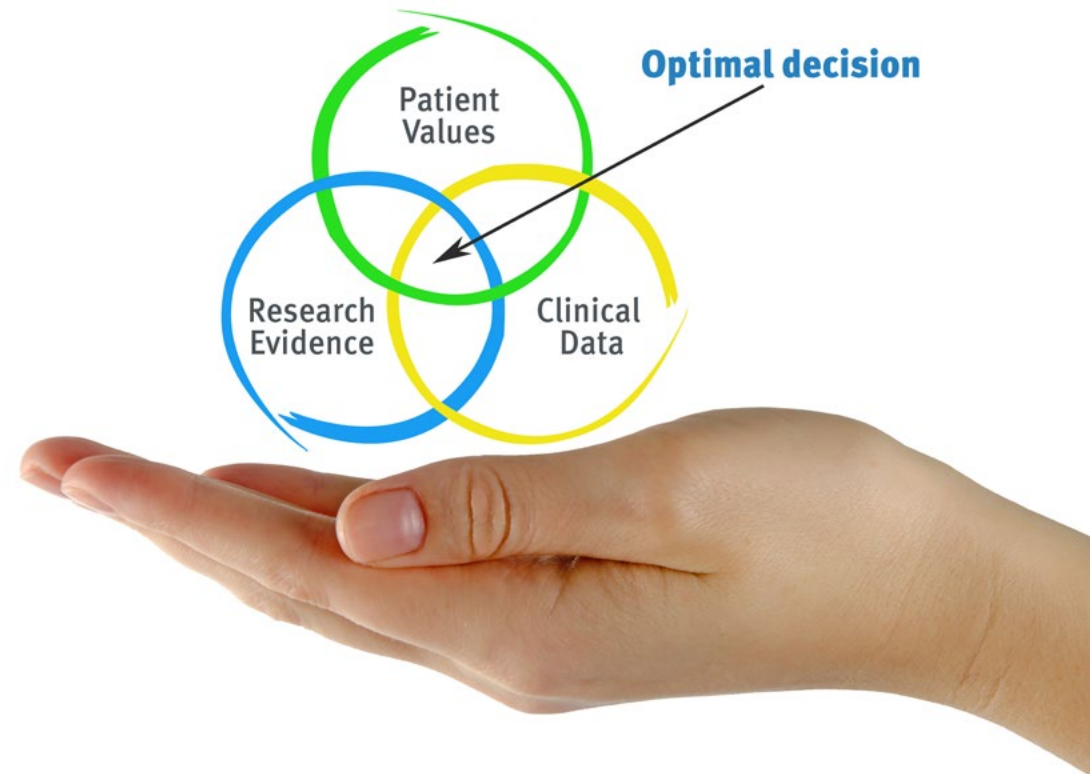
*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*



## 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. Gervas, 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 Harvard 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

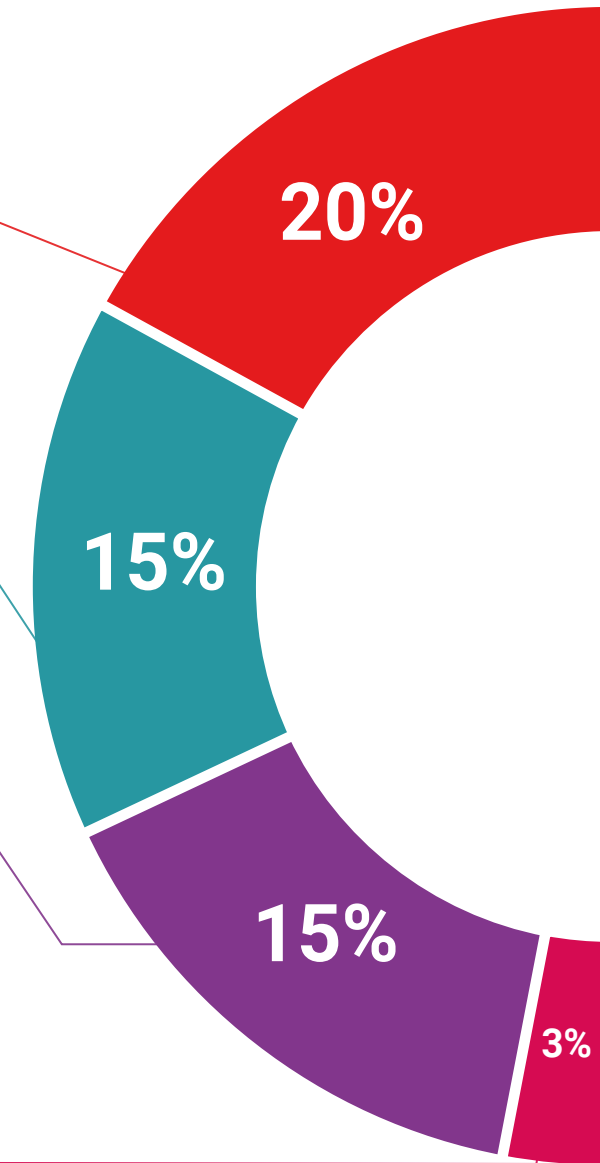
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

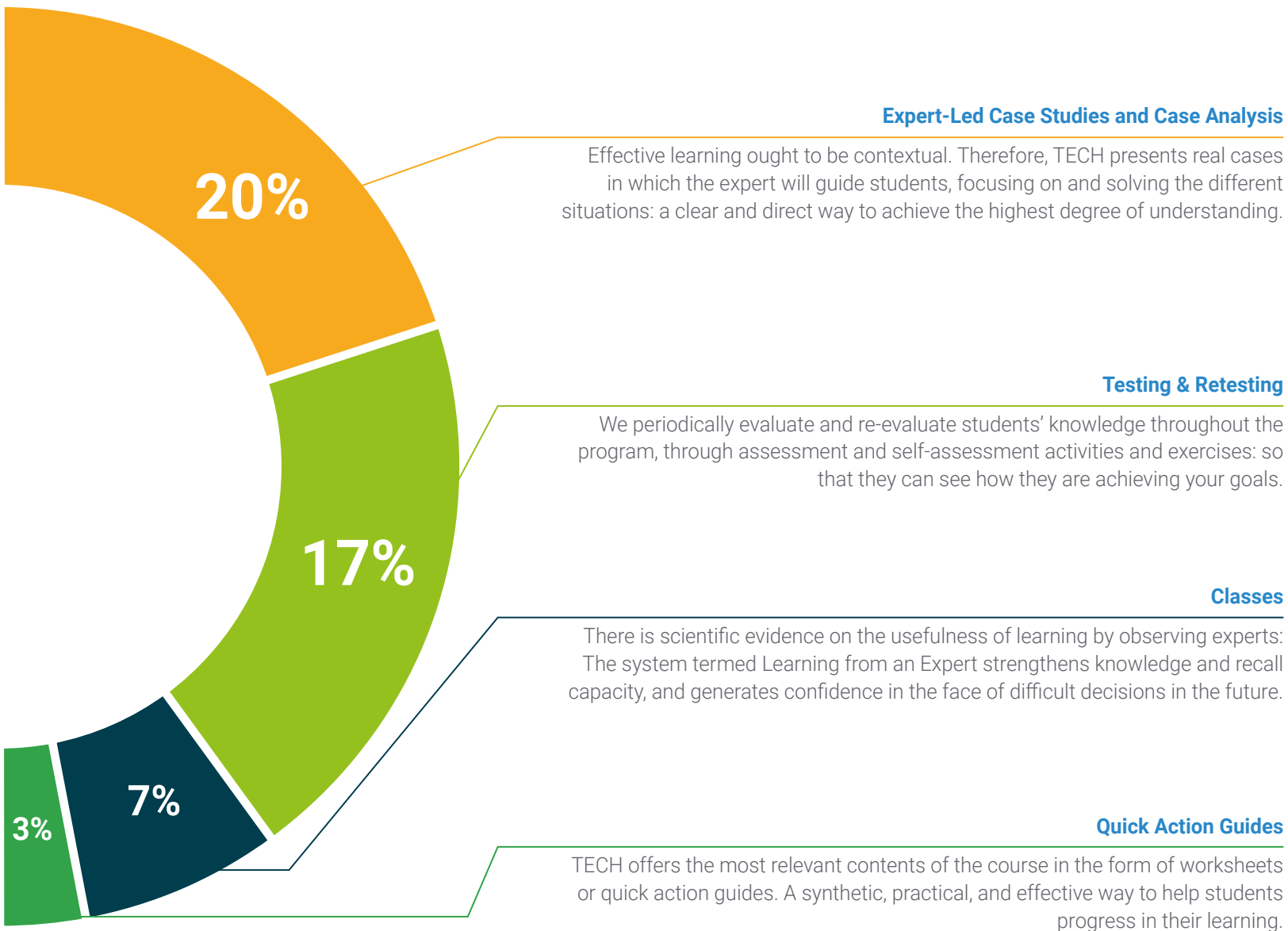
This exclusive multimedia content presentation training Exclusive system was awarded by Microsoft as a "European Success Story".



#### 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.





# 06 Certificate

The Postgraduate Certificate in Neuroendocrine Tumors guarantees you, in addition to the most rigorous and up-to-date training, access to a certificate issued by TECH Technological University.



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*Successfully complete this training and  
receive your university certificate without  
travel or laborious paperwork”*



This **Postgraduate Certificate in Neuroendocrine Tumors** is the most complete and up to date scientific program on the market.

After the students has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery\*.

The certificate issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Neuroendocrine Tumors**

Official N° of hours: **150 h.**



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

future  
health confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present quality  
development languages  
virtual classroom



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- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
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