

# Postgraduate Diploma

## Oncologic Endoscopy of the Digestive Tract





## Postgraduate Diploma Oncologic Endoscopy of the Digestive Tract

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-oncologic-endoscopy-digestive-tract](http://www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-oncologic-endoscopy-digestive-tract)

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# 01

# Introduction

The most advanced specialist must have the latest knowledge available in endoscopic approach to pathologies in the digestive tract, specifically in the esophagus, stomach and especially the small intestine, which has always been a challenge for a correct exploration. TECH has assembled an advanced team of professionals who have poured all their expertise into this program, consisting of 3 complete teaching modules covering issues such as early gastric cancer diagnosis, the management of the Agile Patency capsule or the optimal follow-up of Barrett's esophagus.



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*Join a team of professionals who share your aspirations and concerns, with the most advanced research in the treatment of tumor lesions of the esophagus, stomach and small intestine"*

The complications that may arise in the patient from the use of the various enteroscopes and endoscopic techniques, as well as the difficulty that the correct diagnosis of certain tumor conditions may entail for the specialist, make it necessary to have the most updated knowledge possible in the approach to oncologic pathologies of the digestive tract.

Thanks to recent advances in endoscopic treatments and state-of-the-art exploration techniques, the contraindications and risks of endoscopic diagnoses have been considerably reduced, making it almost mandatory for the specialist to acquire this knowledge.

For this reason, TECH has developed a Postgraduate Diploma with the most experienced professionals in the use of endoscopy to treat oncological conditions of the digestive tract. This gives the didactic material a high academic and specialized quality, as the specialist physician will also find a multitude of real clinical cases and practical examples that will help them contextualize the entire subject matter.

All of this in a convenient online format that allows the teaching to be compatible with the demanding rhythm of the specialist's working life. The contents are available 24 hours a day from the first day of teaching, which gives a unique flexibility to the program to adapt to all kinds of schedules, without fixed classes or educational schedules that force the specialist to sacrifice his personal or work life.

The **Postgraduate Diploma in Oncologic Endoscopy of the Digestive Tract** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Oncologic Endoscopy
- ♦ 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 the self-assessment process can be carried out to improve learning
- ♦ Its special emphasis on innovative methodologies
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- ♦ Access to content from any fixed or portable device with an Internet connection



*Enroll today and don't miss the opportunity to update your knowledge in endoscopy, echoendoscopy and enteroscopy"*

“

*If you want to reach the top of your career do not hesitate to enroll in this program, designed to suit your professional and personal needs”*

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.

*You will have access to the latest scientific postulates in the approach to patients with gastric cancer, intestinal lymphomas and submucosal lesions.*

*Continue to offer the best healthcare practice by further perfecting your endoscopic techniques and treatments, supported by the best academic program in the entire educational landscape.*



# 02 Objectives

Since the specialist in the oncological approach to the gastrointestinal tract must always have the most updated knowledge possible, this program aims at offering the best possible academic option for this purpose. Therefore, the student will update their daily practice in a natural and progressive way, with a pedagogical methodology based on the Relearning which establishes the endoscopic characteristics of the esophagus, stomach and small intestine even before the end of the program.





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*This program will be a great step forward in your continuous effort to continue offering the best assistance in oncological treatments of the digestive tract"*



## General Objectives

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- ♦ Develop the medical professional about endoscopic techniques of gastrointestinal tumor pathology related to diagnosis, treatment and complications in order to improve the quality of patient care
- ♦ Deepen the knowledge of the most commonly used endoscopic techniques in oncologic pathology in order to optimize their use in routine clinical practice

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*You will see your most demanding professional objectives fulfilled thanks to TECH's great effort in providing the best healthcare education"*





## Specific Objectives

### Module 1. Oesophageal

- Optimize the optical diagnosis of the different superficial esophageal neoplasms
- Master the different treatments available for Barrett's esophagus and their indication
- Understand the role of endoscopy in the management of post-surgical complications such as suture dehiscence
- Control the different endoscopic treatments that can be performed depending on the lesions observed

### Module 2. Stomach

- Optimize the optimal diagnosis of the different gastric superficial neoplasms
- Deepen the different risk factors for the development of gastric cancer in order to be able to adequately follow up patients
- Internalize the different endoscopic treatments that can be performed depending on the lesions observed

### Module 3. Small Intestine

- Develop knowledge on the diagnosis of small bowel lesions
- Deepen in the use and indications of capsule endoscopy as well as the contraindications and management of complications derived from its use
- Know the different enteroscopy techniques
- Learn the indications for small bowel exploration according to the pathology of the patient

# 03

## Course Management

The best academic professionals choose TECH for its guarantee of quality and teaching endorsement. Being the largest online educational institution, with presence in 23 Spanish-speaking countries, the specialist will be choosing the best teaching staff for a complete update in Oncologic Endoscopy of the Digestive Tract. TECH teachers are committed to their students, which is why they will receive personalized teaching that meets their professional needs.



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*The best professionals in the specialized area of the digestive system have brought to this program their extensive international experience in the management of all types of oncological complications. Take advantage of their expertise and update your daily practice in TECH"*

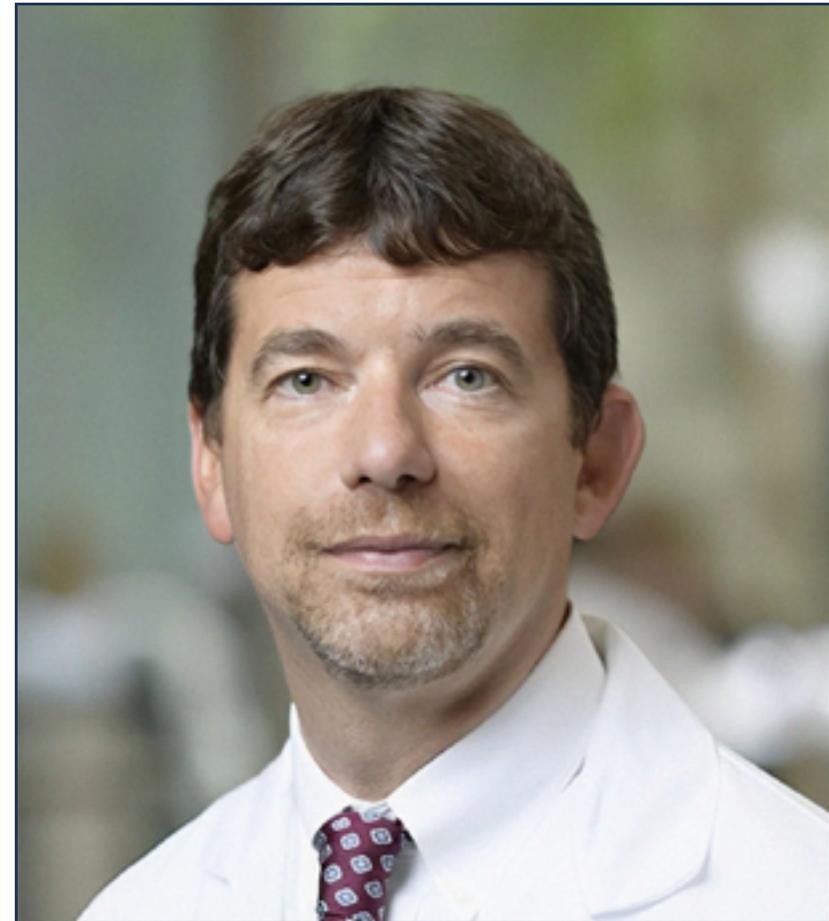
## International Guest Director

Considered one of the most prestigious **gastroenterologists** worldwide, Dr. Mark Schattner has accumulated several awards for his active **research** and **clinical work**. Among other awards, he has been distinguished in the **Castle Connolly list** of the **best doctors** in the **United States** for several years and the magazine and international portal of **Top Doctors** have named him as one of the main experts in the **New York metropolitan area**. He also received the Nobility in Science Award from the National Pancreas Foundation of the US.

In addition, he has focused his established professional career on the approach to different **gastrointestinal tumors**. In particular, he is a reference in the diagnosis and therapeutic intervention of **Colon, Pancreatic and Esophageal Cancer**. In addition, he has experience in the management of the most advanced tools for the development of **Colonoscopies, Upper Digestive Endoscopies, Endoscopic Ultrasound, Cholangiopancreatography (CPRE), Polypectomy**, among others. At the same time, his name appears as author and co-author in almost a hundred scientific articles, published in journals of first academic impact.

For two decades, this physician has been linked to **Memorial Sloan Kettering Cancer Center**, becoming **Chief** of the **Gastroenterology, Hepatology and Nutrition Service**. However, the expert also has training stays in other renowned institutions, such as the Weill Cornell Medical Center Hospital in New York City. In addition, he holds an official certification in Gastroenterology from the American Board of Internal Medicine.

As for his training, Dr. Schattner completed a **bachelor's degree** at Brown University and subsequently completed his **fellowship** at the University of Pennsylvania. He has also been involved in academic consulting at Weill Cornell Medical College, teaching innovative content on the treatment of **Dysphagia, Ulcerative Colitis or Crohn's Disease and Fatty Liver Disease**.



## Dr. Schattner, Mark

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- Chief of the Gastroenterology, Hepatology and Nutrition Service, Memorial Sloan
- Kettering Cancer Center, New York, United States
- Residency at Weill Cornell Medical Center Hospital, New York City
- Professor of Clinical Medicine at Weill Cornell Medical College
- M.D. from the University of Pennsylvania
- B.S. Brown University
- Board Certified in Gastroenterology, American Board of Internal Medicine
- Nobility in Science Award from the National Pancreas Foundation

“

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

## Management



### Dr. Honrubia López, Raúl

- ◆ Digestive System Specialist at the Infanta Sofia University Hospital
- ◆ Resident intern at University Hospital La Paz
- ◆ Degree in Medicine and Surgery from the University of Alcalá de Henares
- ◆ PhD in Medicine and Surgery from the Autonomous University of Madrid
- ◆ Stay at the Cancer Center, Keio University School of Medicine in Japan



### Dr. Bustamante Robles, Katherine Yelenia

- ◆ Medical specialist at Hermanas Hospitalarias de San Rafael Hospital
- ◆ Digestive System Specialist at the University Hospital La Paz
- ◆ Specialized training in echoendoscopy at the Hospital Clinic of Barcelona

## Professors

### Dr. Torres Vargas, Nurka Cristina

- ♦ Medical specialist in the Digestive System Service of the Hospital Can Misses
- ♦ Specialist in the Digestive System Service at Policlínica Nuestra Señora del Rosario
- ♦ Undergraduate Degree in Medicine and Surgery at the Peruvian University Cayetano Heredia
- ♦ Postgraduate course in Digestive System at the San Millán-San Pedro de Logroño Hospital Complex

### Dr. Marín Serrano, Eva

- ♦ Digestive System Specialist at the La Paz University Hospital
- ♦ President of the Spanish Association of Digestive Ultrasound
- ♦ Secretary of the Spanish Federation of Ultrasound Societies in Medicine and Biology
- ♦ Degree in Medicine and Surgery from the University of Granada
- ♦ Digestive System Specialist at the University Hospital La Paz
- ♦ Doctor of Medicine Cum Laude from the University of Cadiz
- ♦ Master's Degree in Clinical Management, Medical and Healthcare Management, CEU Cardenal Herrera University

### Dr. Okamura, Takayuki

- ♦ Specialist in Gastroenterology at Toranomon Hospital
- ♦ Specialist Doctor in Gastroenterology at the University Hospital Teikyo in Tokyo
- ♦ Doctorate in Medicine from the University of Teikyo
- ♦ Physician certified in the Japanese Society of Internal Medicine
- ♦ Certified Specialist in the Japanese Society of Helicobacter Research

### Dr. Manceñido Marcos, Noemí

- ♦ Digestive System Specialist at the Infanta Sofía Hospital
- ♦ Member of the Inflammatory Bowel Disease Unit at the University Hospital La Paz
- ♦ Degree in Medicine and Surgery from the Autonomous University of Madrid
- ♦ Doctorate cum laude in Medicine from the Autonomous University of Madrid

### Dr. García, Jose Santiago

- ♦ Digestive System Specialist at the the Puerta de Hierro University Hospital
- ♦ Honorary Professor at the University of Kent
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Research grant from Kobe University (Japan) in endoscopic submucosal dissection (ESD)

### Dr. De Benito Sanz, Marina

- ♦ Specialist physician at the Río Hortega Hospital
- ♦ Graduate in Medicine and Surgery from the University of Valladolid

### Dr. Agudo Castillo, Belén

- ♦ Digestive System Specialist at the the Puerta de Hierro University Hospital
- ♦ Endocoles clinical training instructor at the Puerta de Hierro Hospital
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Expert in Human Nutrition and Dietetics at the Antonio Nebrija University, European Institute of Business Studies

**Dr. Burgueño Gómez, Beatriz**

- ◆ Digestive System Specialist at the Río Hortega University Hospital
- ◆ Degree in Medicine and Surgery from the University of Valladolid
- ◆ PhD in Research in Health Sciences, University of Valladolid

**Dr. Pajares Villarroya, Ramón**

- ◆ Digestive System Specialist at the Infanta Sofia Hospital
- ◆ Digestive System Specialist at the La Paz University Hospital
- ◆ Degree in Medicine and Surgery from the Autonomous University of Madrid
- ◆ Digestive System Specialist

**Dr. De Frutos Rosa, Diego**

- ◆ Digestive System Specialist at the the Puerta de Hierro University Hospital
- ◆ Digestive System specialist at Virgen del Mar and Sanitas La Moraleja Hospitals
- ◆ Degree in Medicine from the University of Valladolid
- ◆ Diploma in Statistics in Health Sciences at the Autonomous University of Barcelona
- ◆ Doctor in Medicine and Surgery at the Autonomous University of Madrid

**Dr. Yebra Carmona, Jorge**

- ◆ Digestive System Specialist at the in Móstoles University Hospital
- ◆ Degree in Medicine from the University of Alcalá
- ◆ Master's degree in Inflammatory Bowel Disease at the University of Granada
- ◆ Specialist training in Gastroenterology and Hepatology at University Hospital La Paz



**Dr. Domínguez Rodríguez, María**

- ♦ Digestive System Specialist at the Infanta Sofia Hospital
- ♦ Digestive System specialist at Severo Ochoa and Gómez Ulla Hospitals
- ♦ Bachelor's Degree in Medicine and Surgery from the University of Santiago de Compostela

**Dr. Crivillén Anguita, Olivia**

- ♦ Specialist in Gastroenterology and Hepatology at the Infanta Leonor Hospital
- ♦ Specialist in the Hepatic Transplant Unit and Hepatic Intensive Care Unit at the Hospital Clinic
- ♦ Degree in Medicine and Surgery Generalities from the University of Alcalá de Henares

**Dr. Ciriano Hernández, Lucia**

- ♦ Digestive System Specialist at the Infanta Sofia University Hospital
- ♦ Digestive System Specialist at the Móstoles University Hospital
- ♦ Degree in Medicine and Surgery from the University of Alcalá
- ♦ ESD Observation Stay at Keio University Hospital and Cancer Center, Japan

**Dr. Han, Eun-Jin**

- ♦ Digestive System Specialist In Medicine at the Infanta Sofia University Hospital
- ♦ Degree in Medicine and Surgery from the University National of Asunción
- ♦ Digestive System Specialist at the University Hospital La Paz
- ♦ Digestive System Specialist at the La Paz University Hospital

**Dr. Tavecchia Castro, Mariana**

- ♦ Digestive System Specialist at the La Paz University Hospital
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid
- ♦ Specialty in Gastroenterology at the University Hospital La Paz

# 04

## Structure and Content

To make it easier for the specialist to study all the theoretical and practical content provided, TECH employs the most innovative and avant-garde teaching methodology in the academic panorama. Therefore, the medical specialist will find a concise and well-structured syllabus, with each topic of interest clearly presented and supported by abundant audiovisual material, in order to alleviate the teaching load.





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*Don't wait any longer and enroll in this Postgraduate Diploma to have access to the most updated material on endoscopic treatments for advanced esophageal carcinomas and superficial tumor lesions”*

## Module 1. Esophageal

- 1.1. Risk Factors for the Development of Epidermoid Carcinoma and Adenocarcinoma
- 1.2. Barret t's Oesophagus
  - 1.2.1. Microbiological
  - 1.2.2. Monitoring
- 1.3. Treatment of Barrett's Esophagus
  - 1.3.1. Indications
  - 1.3.2. Resection of Visible Lesions
  - 1.3.3. Radiofrequency
- 1.4. Endoscopic Features of Superficial Tumor Lesions
- 1.5. Treatment of Superficial Esophageal Tumor Lesions
- 1.6. Staging of Esophageal Carcinoma, Role of Echoendoscopy
- 1.7. Endoscopic Treatment of Advanced Esophageal Carcinoma
  - 1.7.1. Esophageal Prosthesis
  - 1.7.2. Gastronomy
- 1.8. Management of Postoperative Complications
  - 1.8.1. Anastomotic Stenosis
  - 1.8.2. Suture Dehiscence
- 1.9. Submucosal Lesions, Diagnosis and Treatment

## Module 2. Stomach

- 2.1. Risk Factors for the Development of Gastric Cancer and Population Screening, Atrophic Gastritis with Metaplasia
- 2.2. Gastric Polyps
  - 2.2.1. Fundic Gland Polyps
  - 2.2.2. Hyperplastic polyps
  - 2.2.3. Adenomatous polyps
  - 2.2.4. Others.
- 2.3. Treatment of Superficial Gastric Neoplasms
- 2.4. Endoscopic Features of Early Gastric Cancer
- 2.5. Staging Gastric Cancer, Role of Echoendoscopy





- 2.6. Endoscopic Management of Postoperative Complications
- 2.7. Gastric Subepithelial Lesions: GIST, Leiomyoma
- 2.8. Treatment of Gastric Submucosal Lesions
- 2.9. Gastric Carcinoid
- 2.10. Endoscopic Findings in Hereditary Syndromes
- 2.11. Gastric Lymphomas

### Module 3. Small Intestine

- 3.1. Types of Lesions in Small Intestine
- 3.2. Endoscopic Capsule
- 3.3. Capsule Endoscopic Contraindications and the Role of *Agile Patency*
- 3.4. Single-Balloon and Double-Balloon Enteroscopy
- 3.5. Spiral Enteroscopy
- 3.6. Alternative Diagnostic and Therapeutic Methods to Diagnostic Endoscopic Techniques
- 3.7. Endoscopic Treatment of Superficial Tumor Lesions
- 3.8. Management of Duodenal Polyps and Periampullary Lesions
- 3.9. Indications for Small Bowel Screening in Patients with Hereditary Syndromes
- 3.10. Intestinal Lymphoma

“ You will have at your disposal videos of the teachers, real clinical and practical cases and rigorous technical images that make this teaching a complete and transversal program in oncological endoscopies”

05

# 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.

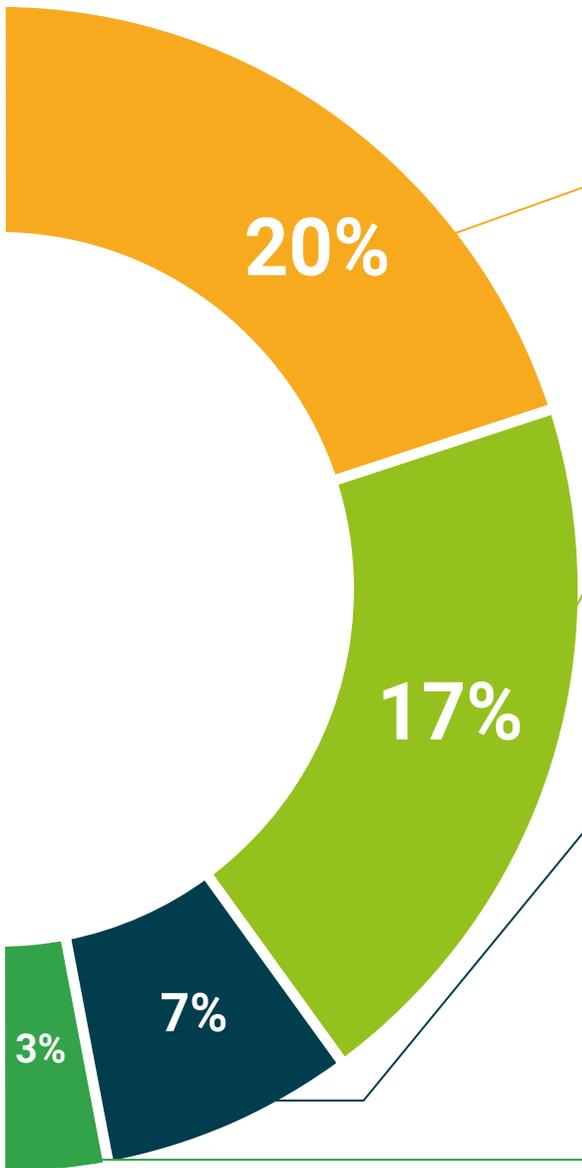
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### 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.



06

# Certificate

The Postgraduate Diploma in Oncologic Endoscopy of the Digestive Tract guarantees, in addition to the most rigorous and up-to-date training, access to a Postgraduate Diploma issued by TECH Global University.



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*Successfully complete this training program  
and receive your diploma without travel or  
laborious paperwork"*

This program will allow you to obtain your **Postgraduate Diploma in Oncologic Endoscopy of the Digestive Tract** 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.

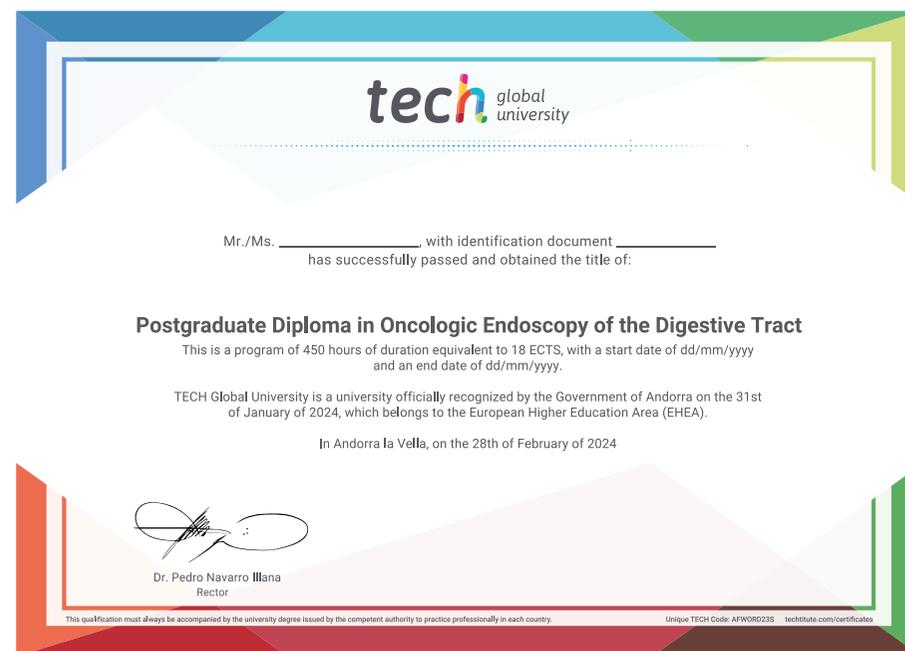
This **TECH Global University** title is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Diploma in Oncologic Endoscopy of the Digestive Tract**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**



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

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



## Postgraduate Diploma Oncologic Endoscopy of the Digestive Tract

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