

# Postgraduate Certificate

Endoscopic Characterization of  
Superficial Colon Neoplasms, Risk  
of Submucosal Invasion





## Postgraduate Certificate

### Endoscopic Characterization of Superficial Colon Neoplasms, Risk of Submucosal Invasion

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

Website: [www.techtute.com/pk/medicine/postgraduate-certificate/endoscopic-characterization-superficial-colon-neoplasms-risk-submucosal](http://www.techtute.com/pk/medicine/postgraduate-certificate/endoscopic-characterization-superficial-colon-neoplasms-risk-submucosal)

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# 01

# Introduction

Oncologic pathologies of the colon and rectum are among the most prevalent in Western countries, so it is of vital importance that the specialist periodically renews their knowledge in this area of the digestive system. Under this premise, TECH has prepared a complete program that includes the main advances in prevention mechanisms and risk factors, diagnostic and treatment methods, as well as endoscopies in patients with advanced lesions. Supported by a first-class teaching staff, the specialist will find in this degree all that is necessary for a complete update of their knowledge in colon and rectum.



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*This program will be decisive in your professional career, as it will give you the scientific update you were looking for"*

In recent years, important discoveries have been made in the prevention of various oncological pathologies affecting the colon and rectum. This is mainly due to a deeper understanding of the main risk factors for contracting this type of pathology, including hereditary syndromes.

With current and up-to-date knowledge, the specialist will be able to continue offering the best possible care, meeting the highest quality standards required of the best digestive system specialty services.

Thus, the program will go deeper into the approach to adenomatous and serrated polyps, as well as the treatment of superficial neoplasms and submucosal lesions. All this following the most modern and recent scientific postulates, based on the latest research in endoscopic management of these pathologies.

The program is also offered in a completely online format that gives students the necessary flexibility to combine it with their professional and working life. There are no presential classes or pre-established schedules, and the entire syllabus is available for downloading from any device with an internet connection.

This **Postgraduate Certificate in Endoscopic Characterization of Superficial Colon Neoplasms, Risk of Submucosal Invasion** 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



*TECH employs the most innovative teaching methodology so that you can start incorporating the latest advances in rectal endoscopy into your daily practice even before the end of the program”*



*The teaching staff will offer you personalized attention and will meet your requirements, since they are composed of professionals with extensive experience in the handling of all types of endoscopic techniques”*

The program’s teaching staff includes professionals from 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.

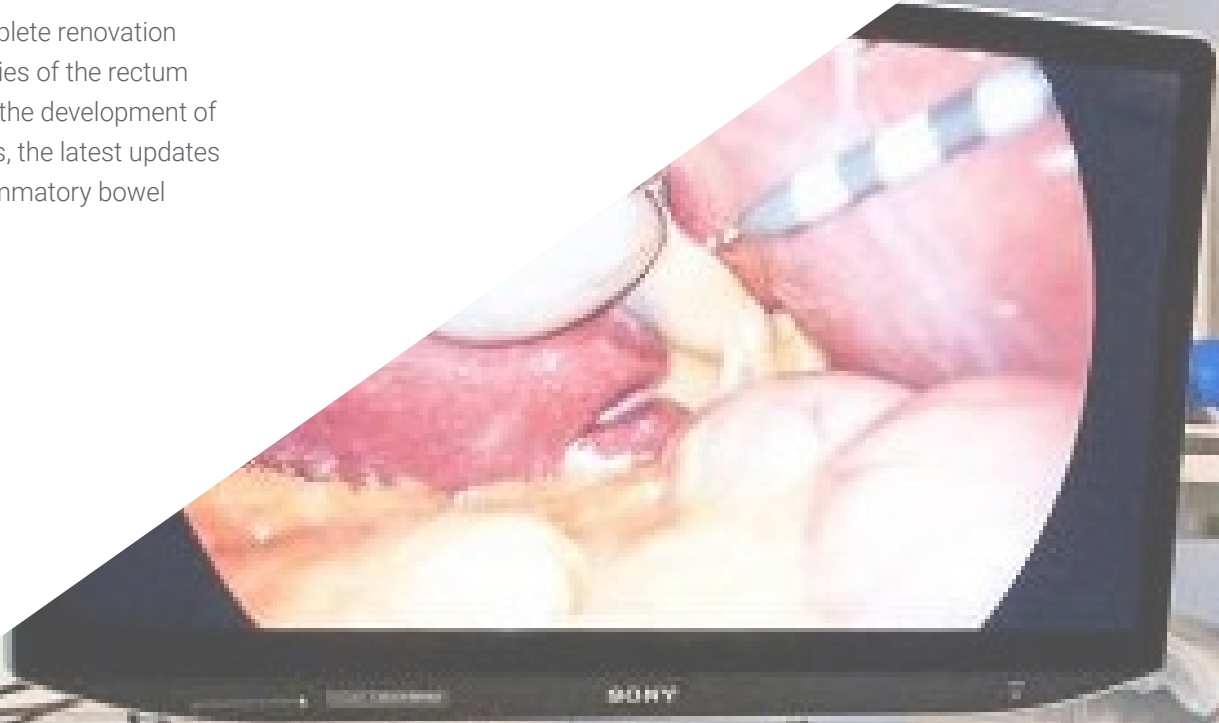
*Benefit from a program designed to meet your need for specialized updating without having to sacrifice your personal or work life.*

*Access the latest developments in the endoscopic management of surgical complications such as strictures or suture dehiscence.*

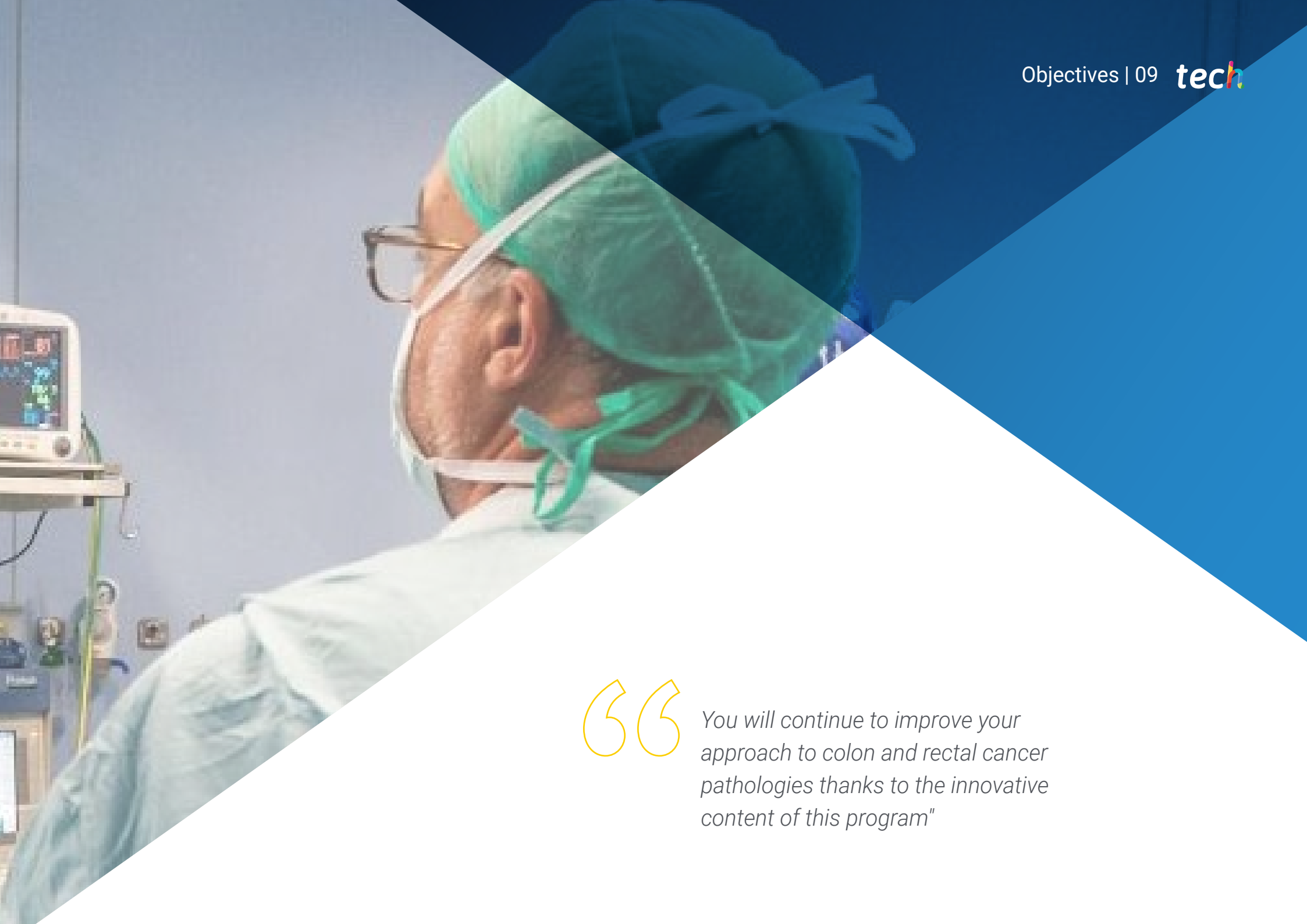


# 02 Objectives

The objective of this program is to offer the specialist a complete renovation of all the knowledge in the approach to oncological pathologies of the rectum and colon. Therefore, the agenda focuses on risk factors for the development of colorectal cancer. Being one of the most common conditions, the latest updates on population screening and colon cancer screening in inflammatory bowel disease are also provided.







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*You will continue to improve your approach to colon and rectal cancer pathologies thanks to the innovative content of this program”*



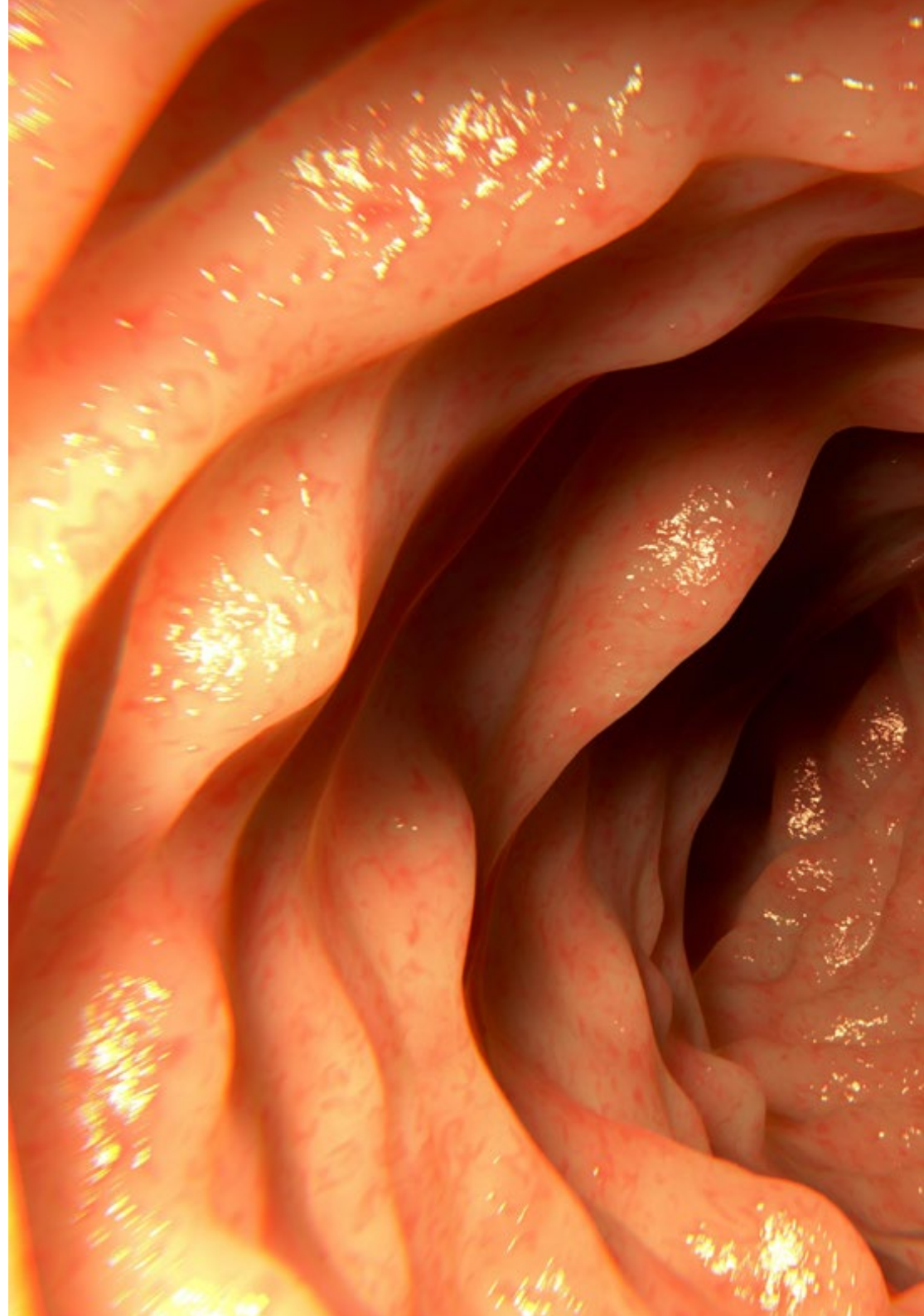
## General Objectives

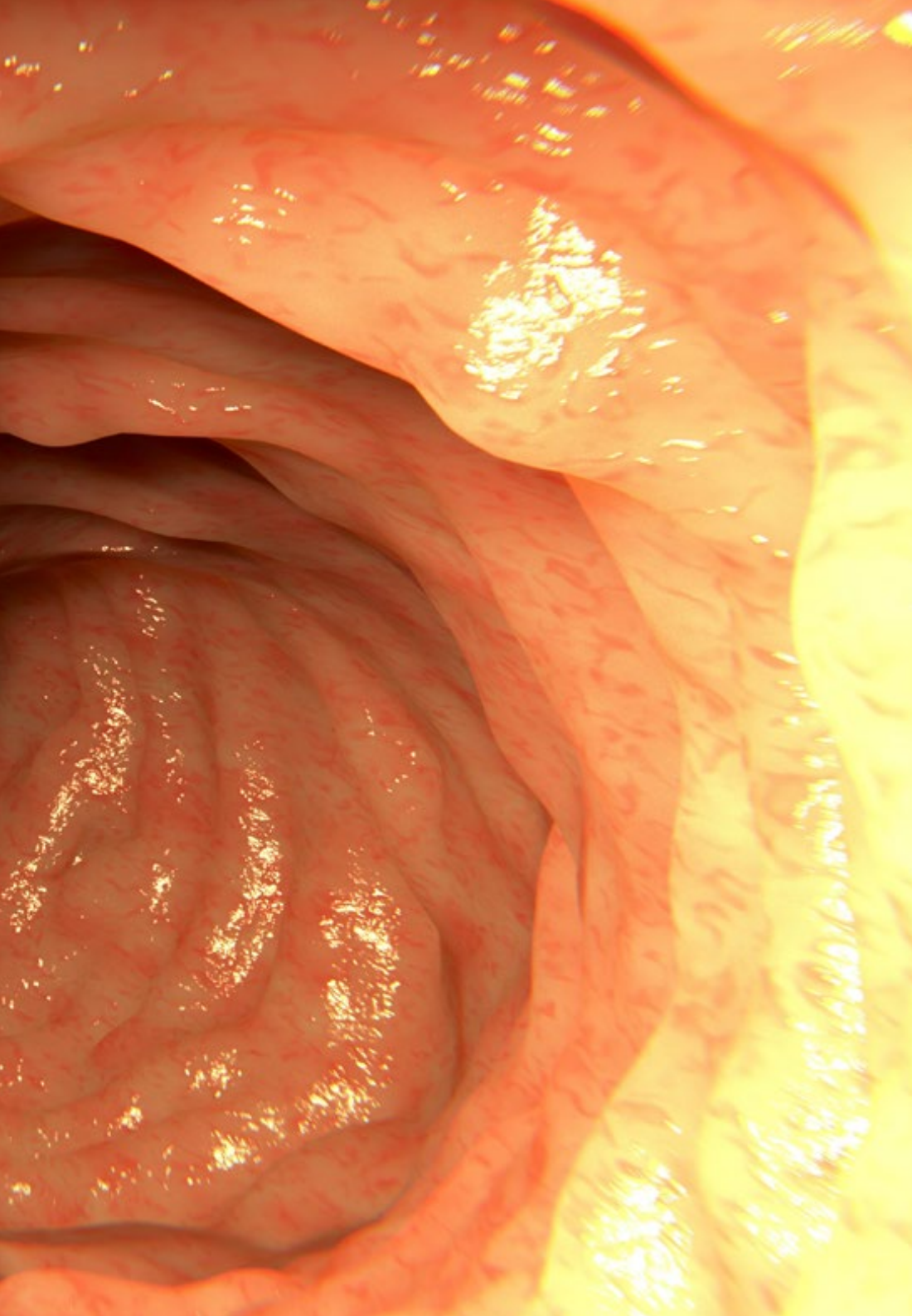
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- » Develop the medical professional about endoscopic techniques of gastrointestinal tumor pathology related to diagnosis, treatment and complications in order to improve the quality of patient care
- » Deepen the knowledge of the most commonly used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



*You will be accompanied at all times by a first-rate teaching, academic and technical staff"*





## Specific Objectives

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- » Develop the ability to stage patients according to their risk of developing colon and rectal cancer, and to know the different recommendations for follow-up
- » Optimize the optimal diagnosis of superficial neoplasms of the colon and rectum
- » Master the different endoscopic treatments that can be performed depending on the lesions observed
- » Learn the role of endoscopy in the detection of advanced neoformations of the colon and rectum
- » Deepen on the different hereditary syndromes and the different endoscopic findings that they will present

# 03

# Course Management

For the development of this program TECH has selected a compendium of professionals with extensive experience in the treatment of all types of pathologies of the colon and rectum, so the specialist is accessing the most innovative and best adapted teaching material of the entire academic panorama. Thanks to the extensive expertise of the lecturers in the endoscopic follow-up of superficial neoplasms, as well as their treatment, the specialist is assured of an update that follows the most modern scientific and practical postulates.



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*The best professionals will accompany you throughout your update, offering you the best possible clinical advice"*

## 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. 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. Fernández de Castro, Cristina

- » Digestive System Specialist at the Infanta Sofía University Hospital
- » Digestive System specialist at Severo Ochoa and San José Hospitals
- » Degree in Medicine and Surgery from the University of Cantabria
- » Master's Degree in Pediatric Hepatology at the CEU Cardenal Herrera University
- » University Expert in Infectious and Autoimmune Hepatic Pathology at CEU Cardenal Herrera University

### Dr. Adán Merino, Luisa

- » Attending Physician at University Hospital Infanta Leonor
- » Secretary of the Digestive Tumors Committee of the Infanta Leonor Hospital
- » Associate Professor of the Medicine. Department, Complutense University of Madrid
- » Graduate in Medicine and Surgery from the University of Valladolid
- » Doctorate in Medicine from the Complutense University of Madrid

### 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

**Dr. Arencibia Cerpa, Alberto**

- » Digestive System Specialist at the La Paz University Hospital
- » Digestive System Professors at the University Hospital La Paz
- » Clinical Collaborator at Teachers Autonomous University of Madrid
- » Degree in Medicine from the University of Alcalá
- » Digestive System Specialist at the La Paz University Hospital

**Dr. Manceñido Marcos, Noemí**

- » Digestive System Specialist at the Infanta Sofia 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. 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. Burgos García, Aurora**

- » Head of Section of the Digestive Endoscopy Unit of the University Hospital La Paz
- » Digestive System Specialist at the La Paz University Hospital
- » Clinical teaching collaborator at the Autonomous University of Madrid
- » Degree in Medicine and Surgery from the University of Extremadura
- » Expert in Emergencies and Emergencies in Gastroenterology and Hepatology at the Distance University of Madrid
- » Stay at the Keio University Hospital, Tokyo, Japan

**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

# 04

## Structure and Content

TECH is a pioneer in the academic field by applying *Relearning* to its health update programs. This implies that the specialist applies the improvements and methods learned in the degree program gradually and naturally in their daily practice. Thus, the positive impact on your professional practice will be felt even before you finish your degree, and this program is a great option that does not require a huge investment of time or effort.





“

*You will find a wealth of audiovisual material, practical guides and interactive summaries that will greatly ease your teaching load”*

## Module 1. Colon and Rectum

- 1.1. Risk Factors for the Development of Colorectal Cancer
- 1.2. Population Screening
- 1.3. Adenomatous Polyps of the Colon
- 1.4. Serrated Polyps
- 1.5. Endoscopic Characterization of Superficial Neoplasms of the Colon, Risk of Submucosal Invasion
- 1.6. Treatment of Superficial Neoplasms
- 1.7. Endoscopic Follow-up after Removal of Superficial Neoplasms
- 1.8. Role of Endoscopy in the Finding of Infiltrating Colon Neoplasms
  - 1.8.1. Marking of Lesions
  - 1.8.2. Use of Prosthesis
- 1.9. Endoscopic Management of Complications in Rectal Surgery
  - 1.9.1. Stenosis
  - 1.9.2. Suture Dehiscence
- 1.10. Screening for Colon Cancer in Inflammatory Bowel Disease
- 1.11. Submucosal Lesions of the Colon and Rectum
- 1.12. Endoscopic Findings in Patients with Hereditary Syndromes





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*The real clinical cases provided by the lecturers will help you to contextualize the most recent endoscopic findings in the colon and rectum area”*

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.



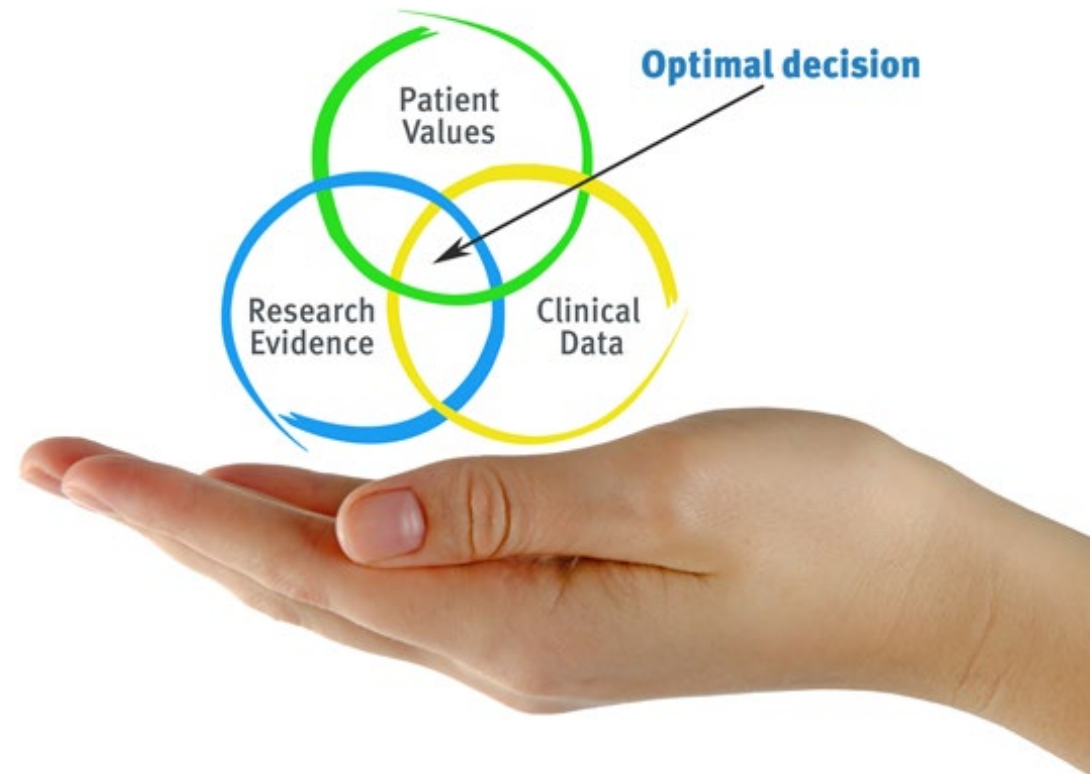
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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## 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 Certificate in Endoscopic Characterization of of Superficial Colon Neoplasms, Risk of Submucosal Invasion, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Endoscopic Characterization of Superficial Colon Neoplasms, Risk of Submucosal Invasion** contains the most complete and up-to-date scientific program on the market.

After the student 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 through the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Endoscopic Characterization of Superficial Colon Neoplasms, Risk of Submucosal Invasion**

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

online training

development language

virtual classroom

**tech** technological  
university

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