

Postgraduate Certificate Endoscopic Submucosal Dissection. General Indications



Postgraduate Certificate Endoscopic Submucosal Dissection. General Indications

- » 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/endoscopic-submucosal-dissection-general-indications

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 16

05

Methodology

p. 20

06

Certificate

p. 28

01

Introduction

Recent advances in the most technical aspects of endoscopy have led to a formidable expansion of the approach to neoplastic lesions, with advanced methodologies that are a must for any specialist who deals with them. This TECH program delves into polypectomy, mucosectomy and submucosal endoscopic dissection, the latter technique being of great interest because it allows the resection of superficial neoplastic lesions en bloc. All this in a 100% online program, with the support of a great teaching team and that allows the necessary flexibility to combine the professional, personal and academic facets of the specialist.





“

Get up to date in the most avant-garde techniques of Oncologic Endoscopy, deepening in the most complex learning and developments of submucosal endoscopic dissection"

Oncological pathologies are one of the most evolving medical fields, and it is essential for every specialist to keep up to date with the latest technical indications and scientific knowledge in the material used in techniques such as endoscopic submucosal dissection, polypectomy and mucosectomy.

It is also important to incorporate into daily practice the latest developments in traction methods and subsequent management after excision, updating the most common complications in the resection of lesions such as hemorrhage, perforation or scar stenosis.

Thus, we present an academic program of great utility for the specialist who wants to maintain a high level of professional practice, with the latest scientific and technological advances compiled by a teaching team of great prestige and international experience.

A unique opportunity to continue perfecting the choice of the most updated and appropriate material and methods for each type of injury, with access to the most modern clinical guidelines and real case studies that help to contextualize all the theory taught.

All this in a 100% format, of maximum convenience for the specialist as they will not have to adapt to any type of schedule or face-to-face classes. The training material is available for download 24 hours a day, which makes it convenient to study it when, where and how it is best available.

This **Postgraduate Certificate in Endoscopic Submucosal Dissection. General Indications** 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 work
- ◆ Content that is accessible from any fixed or portable device with an Internet connection



Get up to date with the most recent discoveries in polypectomy and mucosectomy, knowing the latest generation materials used in the removal of different neoplastic lesions"

“

You will have access to all the content of the virtual campus whenever you want, deciding your own study times and rhythms”

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.

The best specialists in the digestive system and gastroenterology have elaborated this material thinking about your most urgent needs for updating in the field of Oncologic Endoscopies.

You will update your knowledge in an effective way, with first class case studies, interactive summaries and high-quality didactic material.



02

Objectives

Given the complexity of submucosal endoscopic dissection and the different types of materials used depending on the type and size of lesion to be treated, the objective of this program is to deepen in the most recent indications and advances with which the specialist will pleasantly update their approach to lesions of the digestive tract. Thanks to an expansion of polypectomy and mucosectomy with the most relevant scientific postulates, this program is the best possible academic option for professionals seeking a comprehensive and detailed update in this area.





“

You will maintain a high-quality professional practice thanks to the knowledge in resection techniques provided by this program”



General Objectives

- ◆ 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 meet your most demanding professional objectives thanks to teaching material that has the backing of the most prestigious academics and specialists"





Specific Objectives

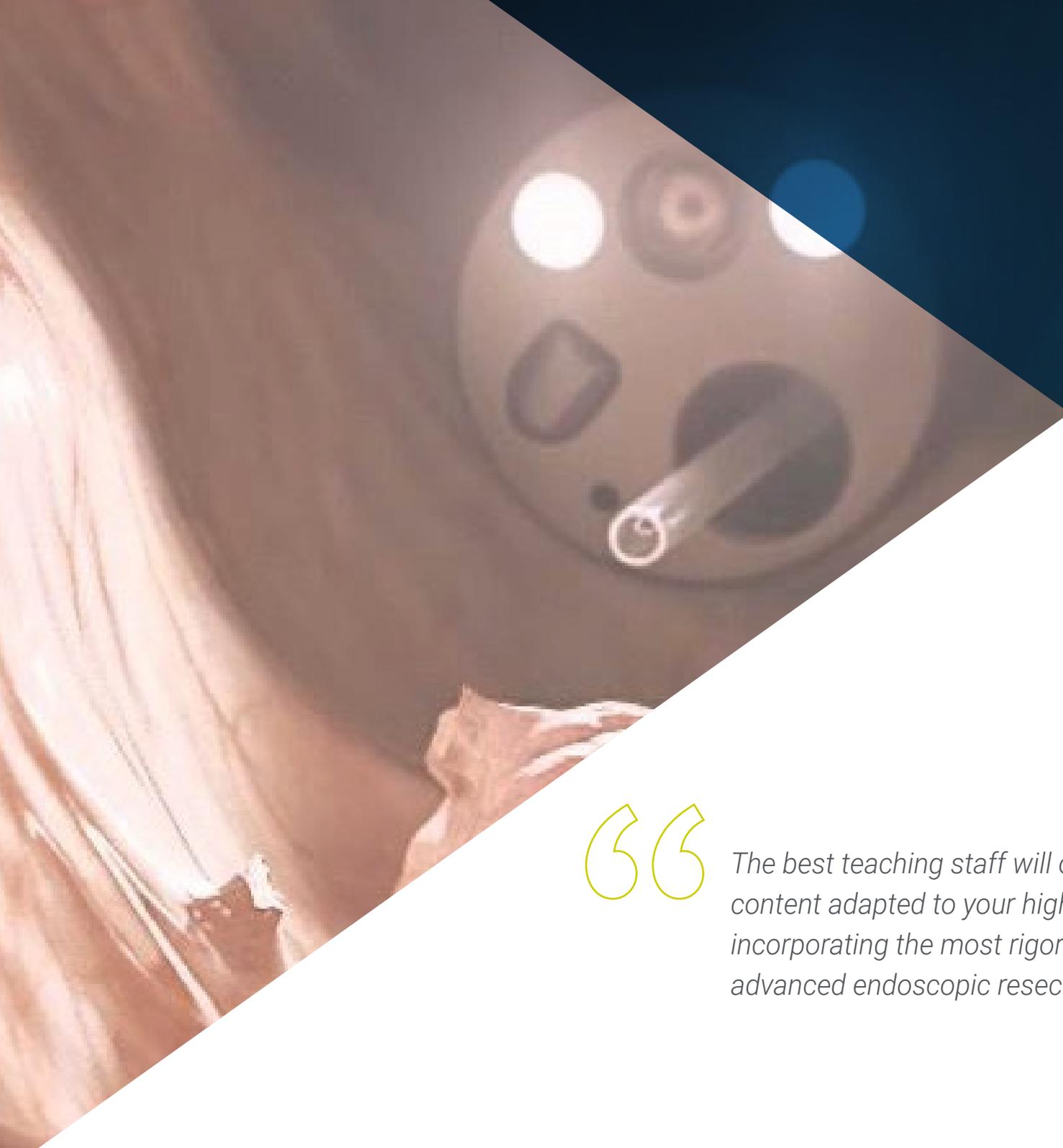
- ◆ Master the knowledge of submucosal endoscopic dissection in order to strengthen the theoretical knowledge of a highly complex technique.
- ◆ Control the different variants of mucosectomy that will allow us to obtain a higher success rate in the resection of the different lesions.
- ◆ Deepen in the necessary material for the development of the technique which will allow to choose the most optimal material according to the lesion to treat
- ◆ Develop the different techniques that help us to facilitate submucosal endoscopic dissection
- ◆ Professionalize the endoscopic management of the different complications derived from resection

03

Course Management

By accessing this program, the specialist will have access to the best possible teaching staff, with extensive international experience in the approach to complex submucosal endoscopic dissection techniques. Being a recent method of use in the West, the program has been developed with the learning curve in mind for most specialists, with a special module dedicated to it.





“

The best teaching staff will offer you a personalized content adapted to your highest professional demands, incorporating the most rigorous state-of-the-art in advanced endoscopic resection techniques”

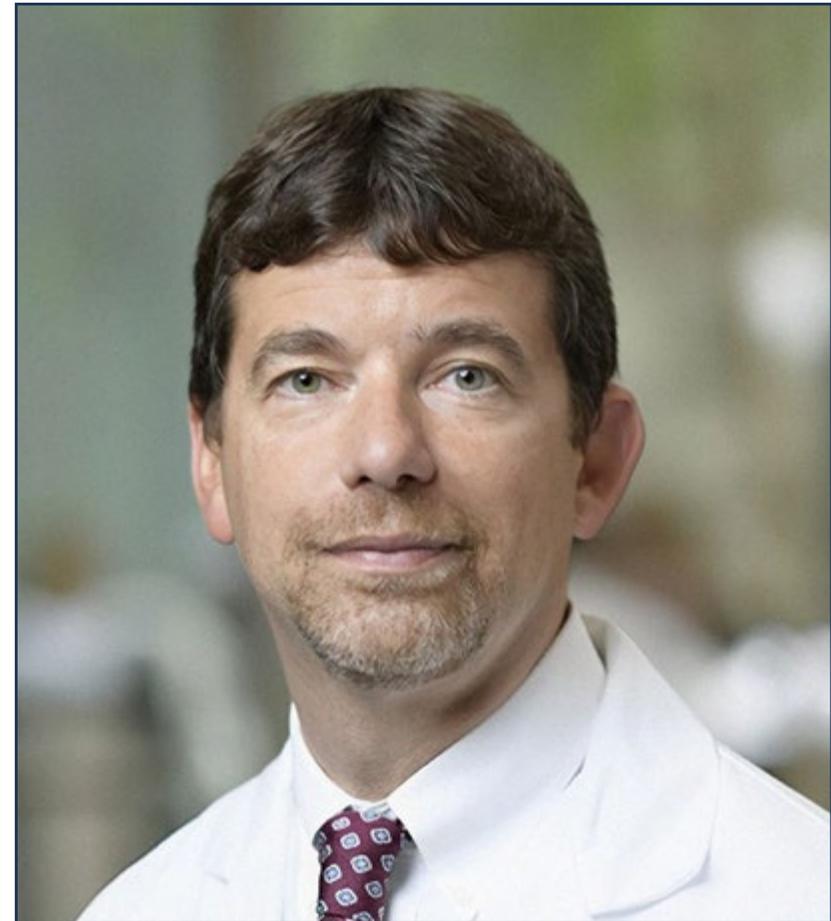
International Guest Director

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

- 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. García Mayor, Marian

- ◆ Digestive System specialist at the Hospital Gómez Ulla and Hospital HM Montepríncipe
- ◆ Doctorate in Medicine from the Autonomous University of Madrid.
- ◆ Doctor in Gerontology at the University of Oviedo
- ◆ Master's Degree in Hepatology at Cardenal Herrera University

Dr. Mitsunaga, Yutaka

- ◆ Specialist in Gastroenterology at Toranomom Hospital
- ◆ Specialist in Gastroenterology at the Yachiyo Medical Center of Tokyo Women's Medical University
- ◆ Physician certified in the Japanese Society of Internal Medicine
- ◆ Specialist in the Japanese Society of Gastrointestinal Endoscopy

Dr. Declara Barquero, David

- ◆ Specialist in Digestive and Hepatology at Hospital Sant Joan Despí Moisès Broggi and Hospital General de l'Hospitalet
- ◆ Digestology Attending in Endos Medicine
- ◆ Member of the Catalan Society of Medical and Surgical Endoscopy
- ◆ Degree in Medicine from the University of Barcelona
- ◆ D. in Internal Medicine from the Autonomous University of Barcelona

04

Structure and Content

In order to facilitate the greater understanding and usefulness of the knowledge imparted, the teachers have enriched the theory with a multitude of graphic material, interactive summaries and explanatory videos that serve as a great support to alleviate the teaching load. Using the most advanced teaching methodology in the academic panorama, the specialist will not have to invest a great deal of time or effort to update all the knowledge presented throughout the syllabus.



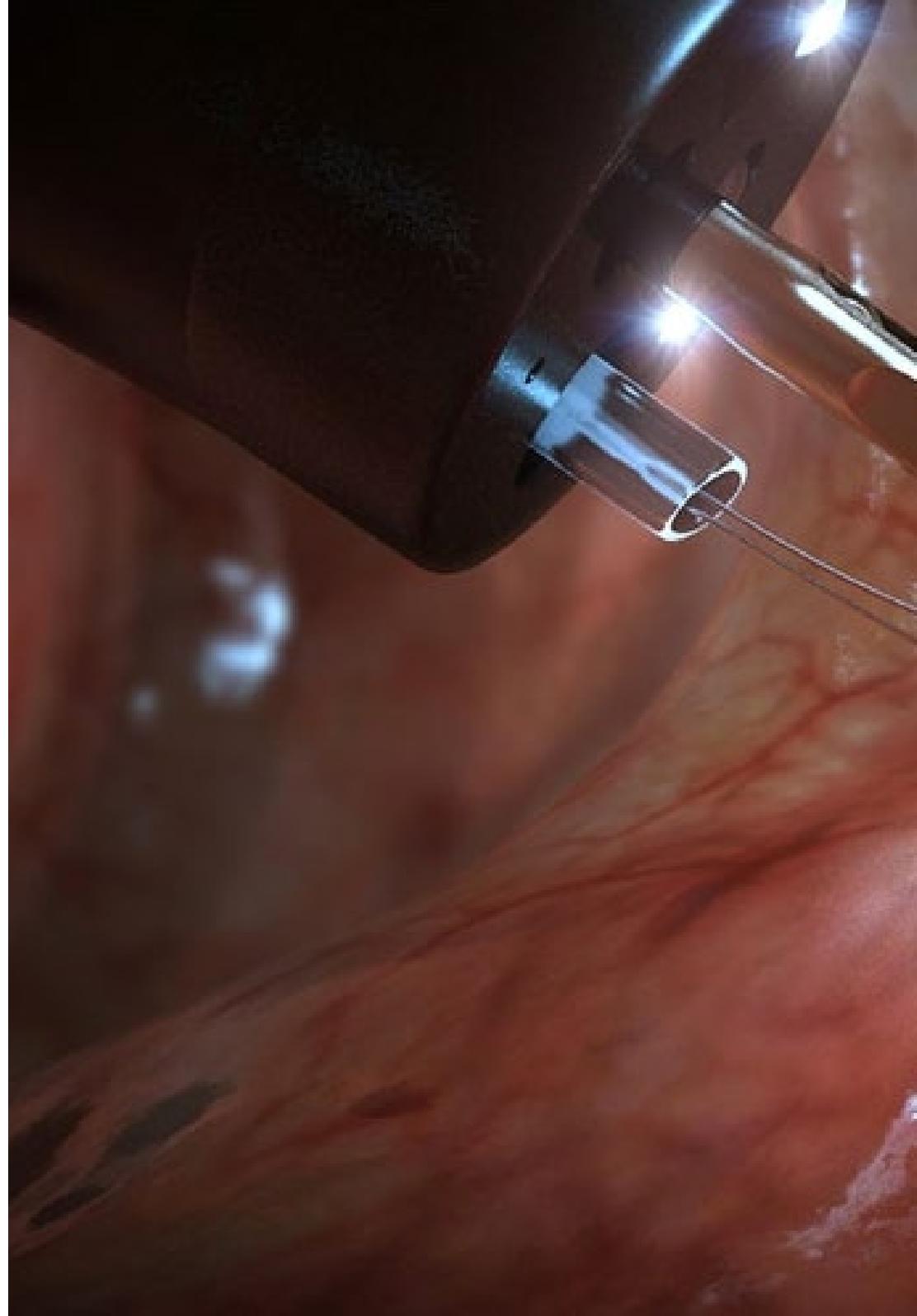


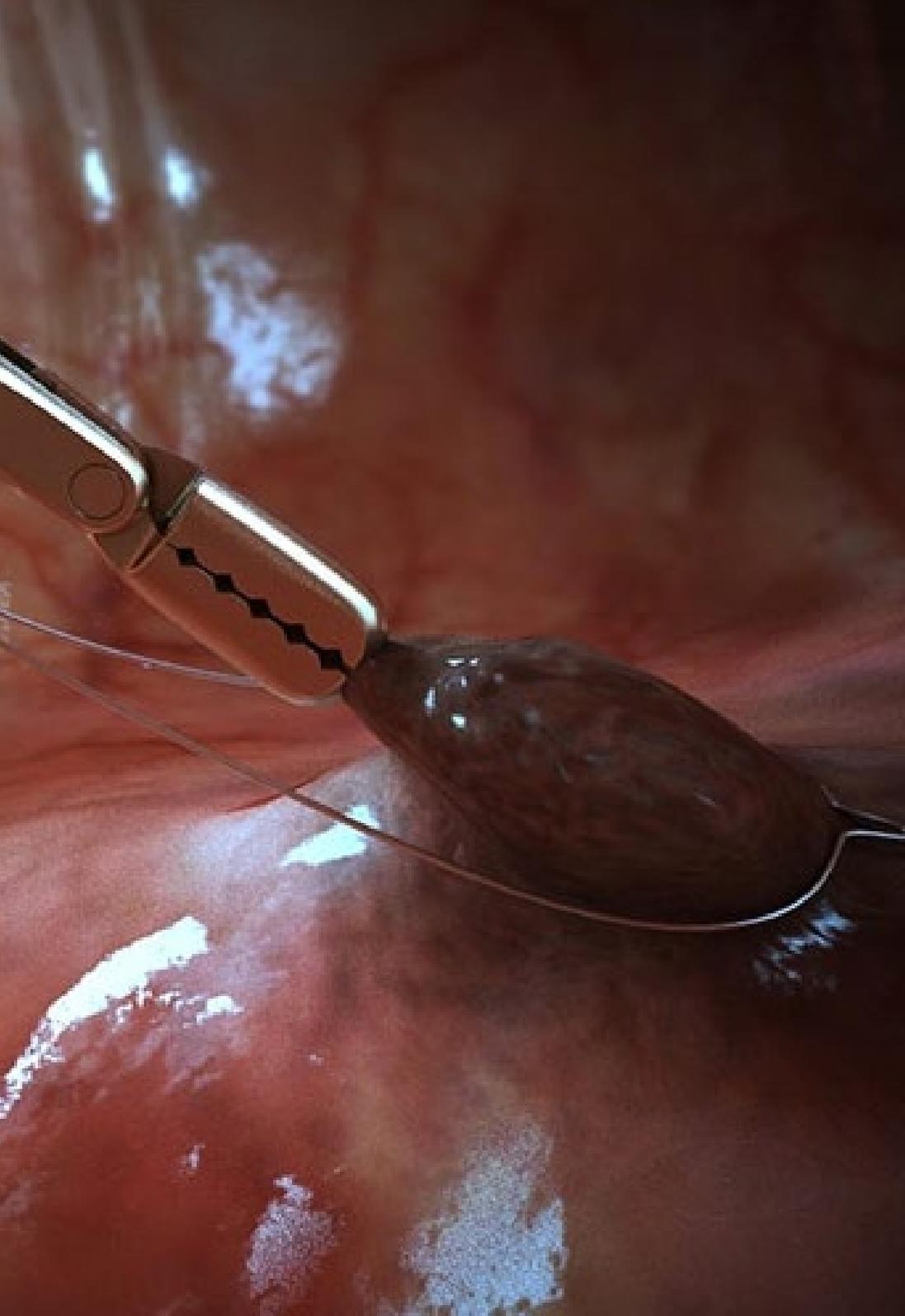
“

Thanks to Relearning, a methodology in which TECH is a pioneer, you will update your knowledge in resection techniques in a natural and progressive way"

Module 1. Resection Techniques

- 1.1. Polypectomy and Mucosectomy.
- 1.2. Material Used for Polypectomy and Mucosectomy
 - 1.2.1. Tweezers
 - 1.2.2. Cold and Diathermy Handles
 - 1.2.3. Programming of Electrosurgical Unit
- 1.3. Excision of Lesions According to Size
 - 1.3.1. Lesions Smaller than 20 mm
 - 1.3.2. Lesions Greater than 20 mm
- 1.4. Types of Endoscopic Mucosal Resection
- 1.5. Endoscopic submucosal Dissection General Indications
- 1.6. A Learning Curve
- 1.7. Material Used in Submucosal Endoscopic Dissection
 - 1.7.1. Types of Scalpels
 - 1.7.2. Solutions for Submucosal Injection
 - 1.7.3. Types of Caps
- 1.8. Traction Methods
- 1.9. Subsequent Management after Extirpation
 - 1.9.1. Fixation of the Lesion
 - 1.9.2. Criteria for Curative Resection
- 1.10. Management of Complications in Lesion Resection
 - 1.10.1. Bleeding
 - 1.10.2. Perforation
 - 1.10.3. Cicatricial Stenosis





“

You will be able to download the entire syllabus from any device with an internet connection, so you can study it at your convenience”

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.





“

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.

“

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

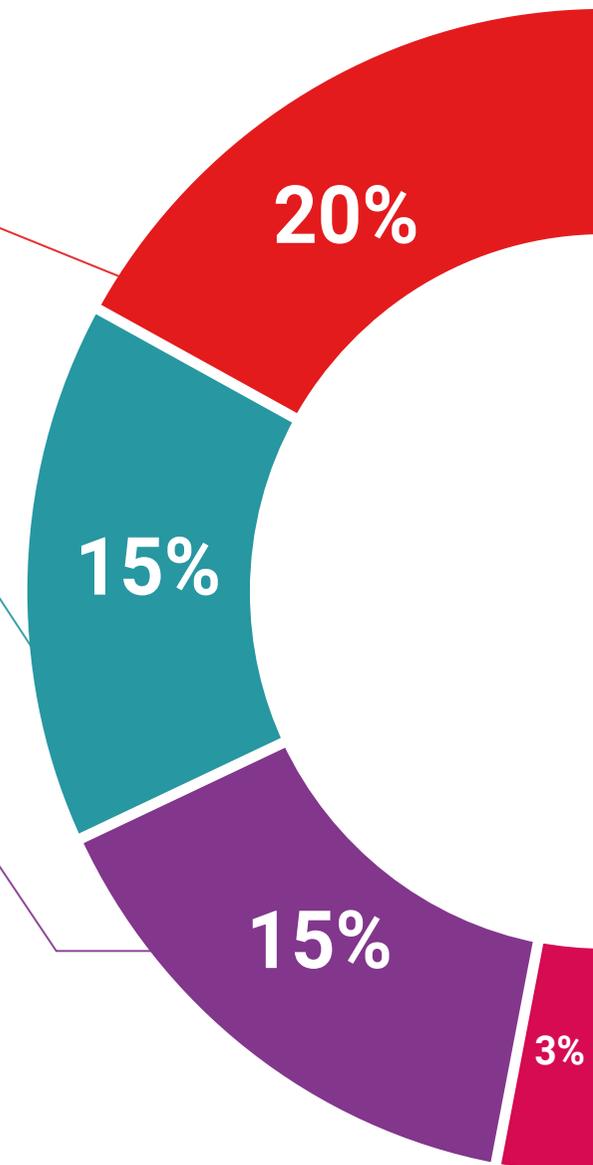
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

This Postgraduate Certificate in Endoscopic Submucosal Dissection. General Indications, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Global University.



“

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

This program will allow you to obtain your **Postgraduate Certificate in Endoscopic Submucosal Dissection. General Indications** 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 Endoscopic Submucosal Dissection. General Indications**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



Postgraduate Certificate
Endoscopic Submucosal
Dissection. General
Indications

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

Postgraduate Certificate

Endoscopic Submucosal Dissection.

General Indications

