

Postgraduate Certificate

Colorectal Tumors





Postgraduate Certificate Colorectal Tumors

Course Modality: **Online**

Duration: **2 months**

Certificate: **TECH Technological University**

12 ECTS Credits

Teaching Hours: **300 hours**

Website: www.techtute.com/medicine/postgraduate-certificate/colorectal-tumors

Index

01

Introduction

p. 4

02

Objectives

p. 8

03

Course Management

p. 12

04

Structure and Content

p. 18

05

Methodology

p. 22

06

Certificate

p. 30

01

Introduction

Digestive tumors represent an important cause of morbidity and mortality in the population of both sexes. It is estimated that approximately 220,000 new cases of cancer are detected in Spain each year, 25% of which are digestive tumors. Their incidence has varied over the years.





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Early detection, more efficient surgery and more precise treatment have enabled this progress”

Whereas a few years ago the survival of metastatic patients was around six months, it has now extended to at least 24 months, as a result of the fact that in recent years there have been many important advances in early detection, diagnosis and treatment procedures, so that at the same time, we are faced with increasing complexity in the management of these tumors.

The continuous improvement and sophistication of imaging methods, the refinement of some surgical techniques, the increased hierarchization of certain pathological findings, the inclusion of molecular biology in clinical practice, the incorporation of personalized medicine, changes in many classical therapeutic approaches, technological advances for the administration of radiotherapy, the incorporation of immunotherapy and new combined modalities, new complications and sequelae of new treatments, are some of the factors that make the care of patients with digestive tumors an increasingly complex activity.

This **Postgraduate Certificate in Colorectal Tumors** contains the most complete and updated scientific program on the market. The most important features of the University Course are:

- Clinical cases presented by experts in the different specialties. The graphic, schematic, and eminently practical contents with which they are created, provide provide scientific and healthcare training on those disciplines that are essential to professional practice
- New developments in the diagnosis and treatment of digestive tumors
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- With special emphasis on evidence-based medicine and research methodologies in the diagnosis and treatment of tumors of the upper gastrointestinal tract
- All of this will be complemented by 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

“*This Postgraduate Certificate in Colorectal Tumors contains the most complete and up-to-date scientific program on the market*”

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This Postgraduate Certificate may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge in Colorectal Tumors, you will obtain a postgraduate certificate from TECH Technological University"

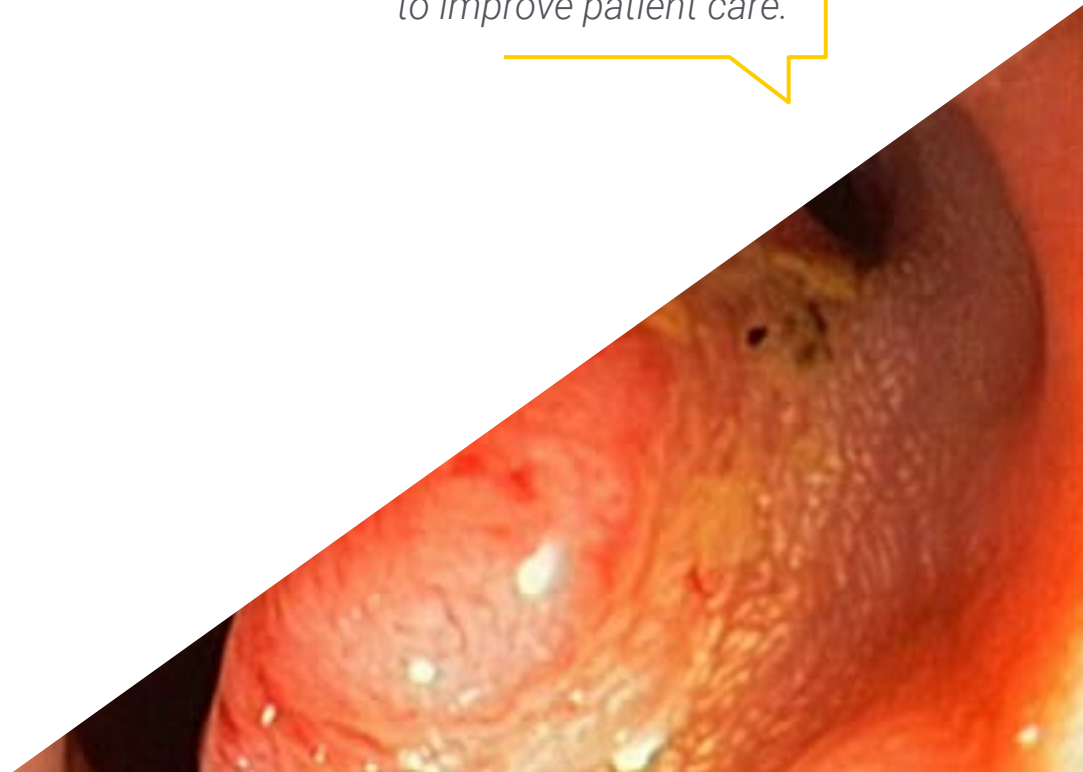
Forming part of the teaching staff is a group of professionals in the world of digestive oncology who bring to this training their work experience, as well as a group of renowned specialists, recognised by esteemed scientific communities.

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 program to train in real situations.

Problem-Based Learning underpins this program design, and the doctor must use it to try and solve the different professional practice situations that arise throughout the course. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of Colorectal Tumors with extensive teaching experience.

Increase your decision-making confidence by updating your knowledge through this Postgraduate Certificate.

Don't miss the opportunity to update your knowledge in Colorectal Tumors to improve patient care.



02

Objectives

The main objective of the program is the development of theoretical and practical learning, so that the physician can master the study of Colorectal Tumors in a practical and rigorous way.





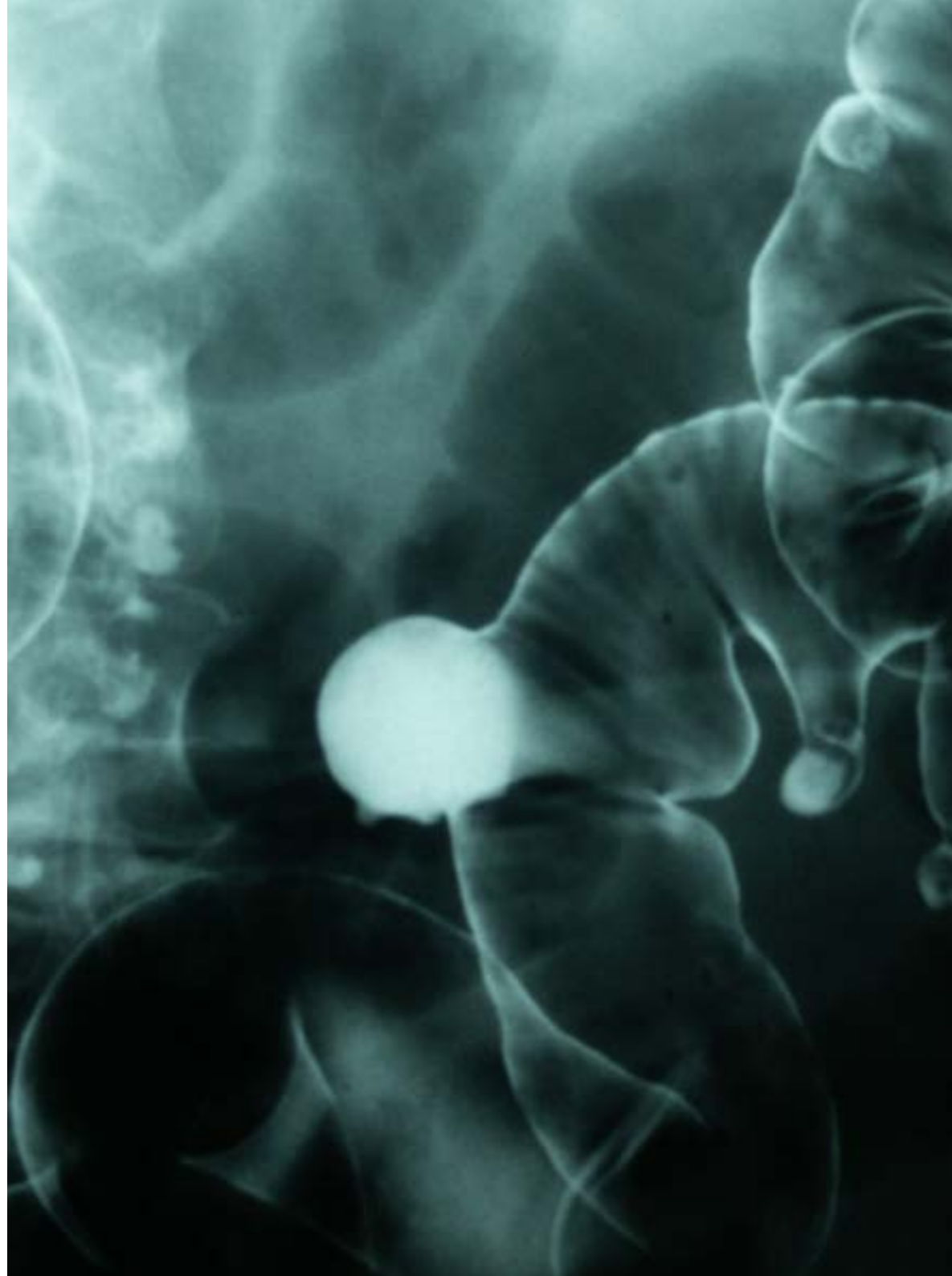
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This refresher program will generate a sense of confidence in medical practice, which will help you grow both personally and professionally”



General Objectives

- Create a global and updated vision of the exposed topics that will allow the student to acquire useful knowledge and at the same time, generate interest in expanding the information and discovering its application in their daily practice
- Provide and expand knowledge on immunotherapy, as an example of a clear scientific advance in translational research, and one of the most promising lines of research in cancer treatment
- Discuss the current landscape of stomach cancer immunotherapy, combinations in clinical development, strategies for dose selection and trial design, clinical pharmacology and regulatory considerations





Specific Objectives

- Review the performance and usefulness of each of the tests used in the diagnosis of esophageal and gastric tumors
- Describe the usefulness and performance of PET/CT with F18-FDG in the diagnosis, staging, treatment control and follow-up in esophageal tumors
- Describe the evolution of surgical techniques up to minimally invasive and robotic surgery that allow complex operations to be performed with small incisions, preserving as much tissue as possible and with an accelerated recovery with less discomfort
- Update knowledge on adjuvant and neoadjuvant management of esophageal and gastric cancer
- Learn about the Advanced Gastric Cancer National Registry (AGAMENON)
- Develop an appropriate treatment plan for a patient with esophageal and gastric cancer that has progressed after initial treatment
- Determine the positioning of antiangiogenic agents for the treatment of gastric cancer



Take advantage of the opportunity and take the step to get up-to-date on the latest developments in Colorectal Tumors"

03

Course Management

This program includes highly regarded health professionals in the field of digestive oncology in its teaching staff, who bring the experience of their work to this training.

In addition, renowned specialists, members of prestigious national and international scientific communities, are involved in designing and preparing the program.





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Learn about the latest advances in Colorectal Tumors from leading professionals”

Management



Oruezábal Moreno, Mauro Javier

- ♦ Head of the medical Oncology Service at La Paz University Hospital since 2017.
- ♦ Research Fellow at University of Southampton (2016-present).
- ♦ Master's Degree in Bioinformatics and biostatistics UOC-UB (2016-ongoing)
- ♦ Master's Degree in bioinformatic analysis by the Pablo de Olavide University (2015-2016)
- ♦ Doctor of Medicine from the Complutense University of Madrid. Outstanding Cum Laude Qualification (2002).
- ♦ Member of the Spanish Society of Medical Oncology (SEOM) and the Spanish Group of Digestive Tumors (TTD)
- ♦ Specialist (MIR) in Medical Oncology, University Hospital San Carlos of Madrid (2000).
- ♦ Degree in Medicine and Surgery, University of Navarra (1995).



Esteban López-Jamar, José Miguel

- ♦ Head of the Endoscopy Unit at the San Carlos Clinical University Hospital of Madrid
- ♦ PhD in Medicine and Surgery, from the Complutense University of Madrid with Outstanding Award
- ♦ Train at the AMC in Amsterdam, the Paoli Calmettes Institute in Marseille and the Horst-Schmidt-Kliniken in Wiesbaden (Germany)
- ♦ Member of the SEPD, ACAD, SEED, ESGE
- ♦ Honorary Member of the Equatorian Society of Gastroenterology
- ♦ Professor and member of the Scientific Advisory Committee of the University Specialization Course in Endoscopic Ultrasonography of the UOC.
- ♦ Specialist (MIR) in the Digestive System, San Carlos University Hospital of Madrid



Loinaz Seguro, Carmelo

- ◆ Chief of Section of General and Digestive System Surgery, Doce de Octubre University Hospital, Madrid.
- ◆ Degree in Medicine and Surgery, University of Navarra (1985).
- ◆ Specialist in General and Digestive System Surgery, Doce de Octubre University Hospital
- ◆ Doctor in Medicine and Surgery, Complutense University of Madrid, qualification outstanding cum laude (1991).
- ◆ Associate Professor of Health Sciences. Accredited as Full Professor by ANECA (2009)
- ◆ Member of the Spanish Association of Surgeons, Spanish Society of Parenteral and Enteral Nutrition, American College of Surgeons, Spanish Society of Transplantation, Spanish Society of Liver Transplantation, European Society of Organ Transplantation, The Transplantation Society (and IRTA section, Intestinal Rehabilitation and Transplant Association), IASGO (International Society of Surgeons, Gastroenterologists and Oncologists), ISDE (International Society of Diseases of the Esophagus)
- ◆ Head of General Surgery Unit, Alcorcón University Hospital (2004-2008)
- ◆ Master's Degree in Medical Management and Clinical Management, UNED and Escuela de Sanidad-Instituto Carlos III
- ◆ Coordinator of the Humanitarian Collaboration Group of the AEC
- ◆ Committee of Health Cooperation at the Department of Surgery of the UCM

Professors

Dr. Abradelo, Manuel

- ◆ HBP Surgery and Transplant Department
- ◆ Queen Elizabeth Hospital
- ◆ Birmingham, United Kingdom

Dr. Alonso Casado, Oscar

- ◆ General Surgery Department
- ◆ M.D. Anderson Hospital, Madrid

Dr. Astudillo González, Aurora

- ◆ Anatomic Pathology Service
- ◆ Associate Professor at the University of Oviedo linked to the Central University Hospital of Asturias.
- ◆ Scientific Director of the Principality of Asturias Biobank.

Dr. Bertomeu García, Agustín

- ♦ Esophago-Gastric Surgery Section
- ♦ General Surgery Department
- ♦ University Hospital of Getafe, Madrid

Dr. Boan García, Jose Francisco

- ♦ Head of the Nuclear Medicine Department and Molecular Imaging
- ♦ Ruber International Hospital, Madrid

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- ♦ Medical Oncology Service
- ♦ Marqués de Valdecilla University Hospital

Dr. Concha Lopez, Ángel

- ♦ Head of Anatomic - Pathology Department and director of the Biobanc
- ♦ A Coruña University Hospital Complex

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- ♦ Gastrointestinal and Neuroendocrine Tumors Unit
- ♦ Medical Oncology Department
- ♦ La Paz University Hospital, IdiPaz

Dr. Del Valle, Emilio

- ♦ Head of the General Surgery Services
- ♦ Gregorio Marañón University Hospital, Madrid

Dr. Díaz Pérez, Jose Angel

- ♦ Endocrinology and Nutrition Service
- ♦ San Carlos Clinical University Hospital, Madrid

Dr. Díaz Gavela, Ana A.

- ♦ Esophago-Gastric Surgery Section
- ♦ Radiation Oncology Service
- ♦ Quironsalud Hospital of Madrid

Dr. Figueroa, Angélica

- ♦ Institute of Biomedical Research A Coruña (INIBIC)
- ♦ Research Group Leader, Epithelial Plasticity and Metastasis

Dr. García-Sesma, Alvaro

- ♦ HBP Surgery and Abdominal Organ Transplantation Unit
- ♦ General Surgery Department
- ♦ Doce de Octubre University Hospital, Madrid

Dr. González Bayón, Luis

- ♦ General Surgery Department
- ♦ Gregorio Marañón University Hospital, Madrid

Dr. Gonzalez-Haba Ruiz, Mariano

- ♦ Gastroenterology Department
- ♦ Puerta de Hierro Hospital, Madrid

Dr. López López, Rafael

- ♦ Head of the Medical Oncology Department
- ♦ Santiago de Compostela University Hospital Complex
- ♦ Translational Medical Oncology Group Health Research Institute

Dr. López Guerrero, José Antonio

- ♦ Medical Oncology Department
- ♦ Valencian Institute of Oncology



Dr. Martínez Isla, Alberto

- ♦ Northwick Park-St. Marks Hospitals
- ♦ London, United Kingdom

Dr. Martinez Trufero, Javier

- ♦ Medical Oncology Department
- ♦ Miguel Servet University Hospital

Dr. Paramio Gonzalez, Jesús

- ♦ CIEMAT Molecular Oncology Unit
- ♦ 12 de Octubre Research Institute of Madrid

Dr. Rueda Fernández, Daniel

- ♦ Research Unit
- ♦ 12 de Octubre University Hospital of Madrid

Dr. Sabater Ortí, Luis

- ♦ General Surgery Department
- ♦ Clinical University Hospital of Valencia

Dr. Velastegui Ordoñez, Alejandro

- ♦ Medical Oncology Service
- ♦ Rey Juan Carlos University Hospital of Madrid

Dr. Vega, Vicente

- ♦ General Surgery Department
- ♦ University Hospital of Puerto Real, Cádiz

Dr. Valladares Ayerbes, Manuel

- ♦ UGC Medical Oncology.
- ♦ Virgen del Rocío University Hospital IBIS – Seville

04

Structure and Content

The structure of the contents has been designed by a team of professionals who recognise the implications of training in daily medical praxis, aware of the relevance of current training to treat the patient with Colorectal Tumors and are committed to quality teaching using new educational technologies.



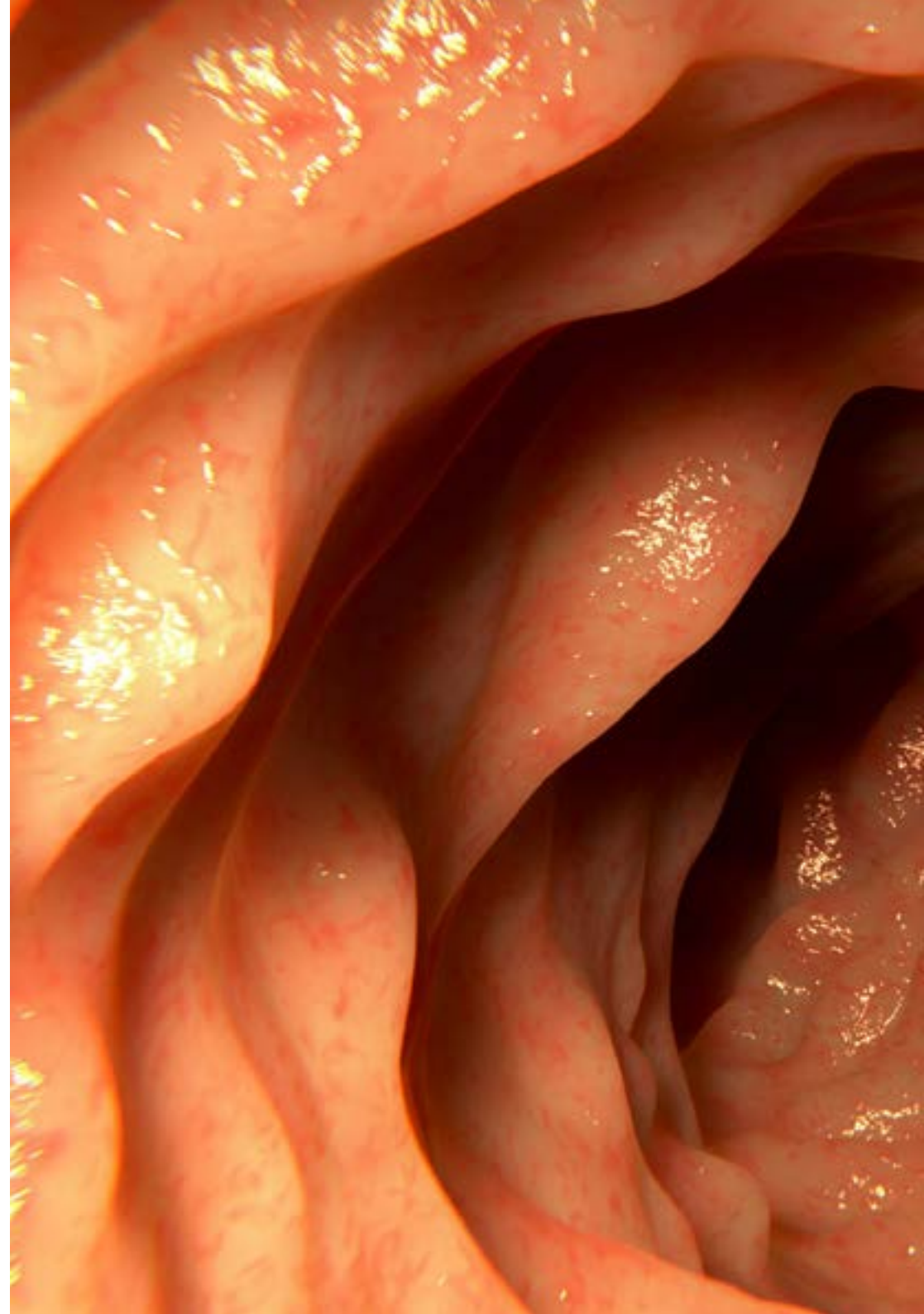


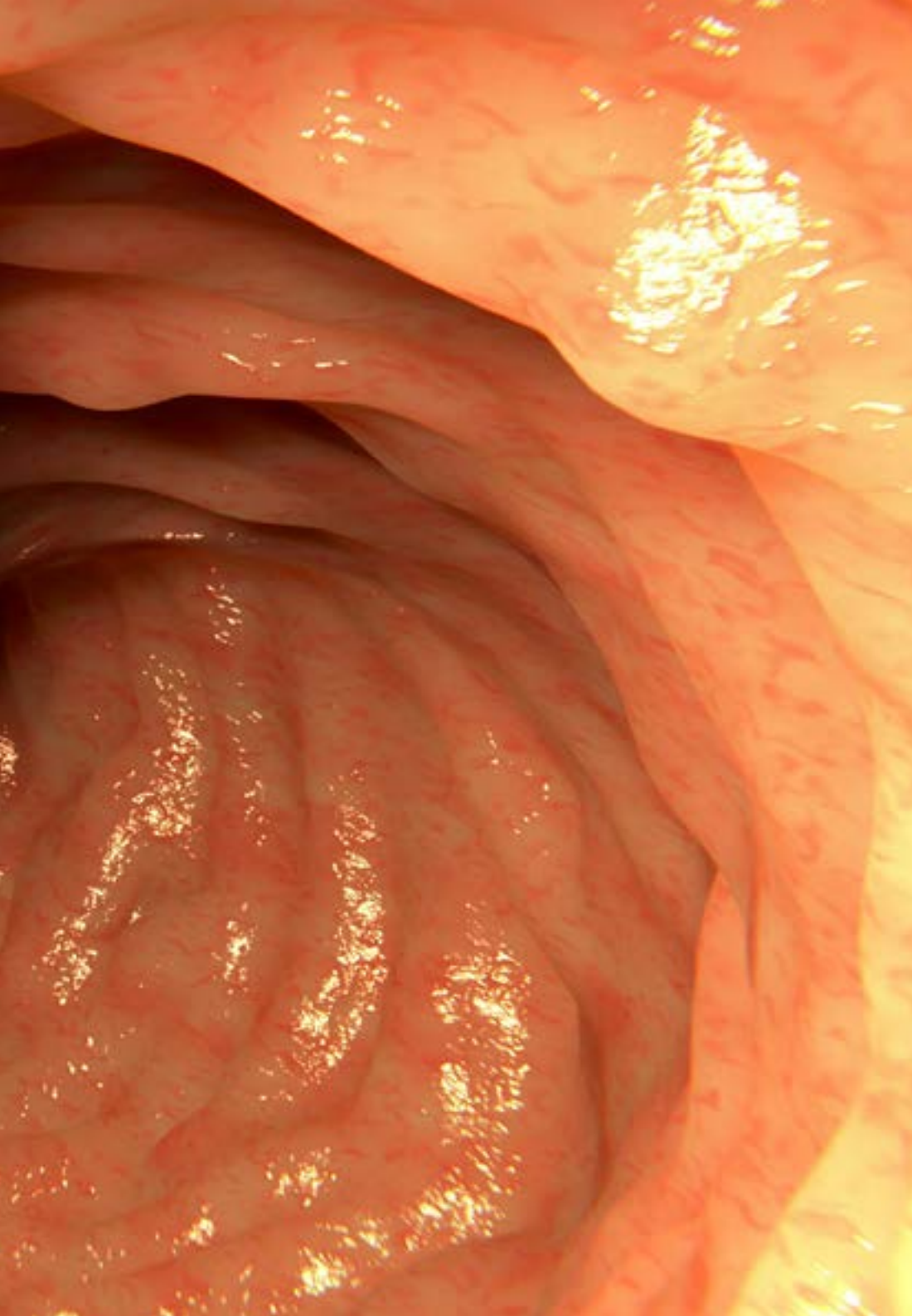
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This Postgraduate Certificate in Colorectal Tumors contains the most complete and updated scientific program on the market”

Module 1. Tumors of the Lower Gastrointestinal Tract

- 1.1. Colorectal Cancer. Epidemiology, Etiology and Incidence
- 1.2. Colon and Rectum Cancer Early Detection Program
- 1.3. Molecular Classification of Colon Cancer: New Insights
- 1.4. Cancer Associated with Chronic Inflammatory Bowel Diseases and Treatments Received
- 1.5. Diagnosis and Endoscopic Management of Polyps and Advanced Lesions
- 1.6. Clinical Impact of FDG-PET/CT in Colorectal Cancer Staging
- 1.7. Role of Endoscopic Ultrasonography (EUS) and Magnetic Resonance Imaging (MRI) in the Staging of Rectal Cancer
- 1.8. Laparoscopic vs Robotic Surgery for Colon Cancer
- 1.9. Surgical Management of Familial Nonpolyposis Colon Cancer
- 1.10. Surgery for Familial Adenomatous Polyposis
- 1.11. Current Adjuvant Treatment of Colon Cancer and Proposals for the Future in Adjuvant Treatment of Colon Cancer
- 1.12. Total Excision of the Mesorectum: Open, Laparoscopic and Robotic
- 1.13. Transanal Approach to Rectal Tumors
- 1.14. Neoadjuvant Treatment in Rectal Cancer
- 1.15. Postoperative Treatment After Neoadjuvant and Radical Surgery
- 1.16. Observe and Wait for Low Rectal Cancers After Neoadjuvant Therapy With Clinical Complete Response
- 1.17. Invasive Pelvic Tumors: Pelvic Exenteration
- 1.18. Therapeutic Advances in Colon and Rectal Cancer. Improving Patient Survival on a Daily Basis
- 1.19. What is the Best Treatment Option After Second-Line Therapy in Advanced Colorectal Cancer?
- 1.20. Acquired Resistance to EGFR Antibodies: How to Handle It?
- 1.21. Immunologic Therapy in Metastatic Colorectal Cancer
- 1.22. Rectal Cancer With Synchronous and Resectable Liver Metastases
- 1.23. Management of Colorectal Cancer Liver Metastases
- 1.24. Total Mesocolon Excision: When, How, Why
- 1.25. Role of Endoscopy in the Management of Advanced Colorectal Cancer





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A unique, key, and decisive training experience to boost your professional development”

05

Methodology

This training program provides you with a different way of learning. Our methodology uses a cyclical learning approach: ***Re-learning***.

This teaching system is used 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 Re-learning, 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

In a given situation, what would you do? Throughout the program, you will be presented with multiple simulated clinical cases based on real patients, where you will have to investigate, establish hypotheses and, finally, resolve the situation. There is abundant scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you can 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 potential 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 professional medical 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 grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on 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.



Re-learning Methodology

At TECH we enhance the Harvard case method with the best 100% online teaching methodology available: Re-learning.

Our 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, which represent a real revolution with respect to simply studying and analyzing cases.

The physician will learn through real cases and by solving 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 Re-learning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best Spanish-speaking online university (Columbia University).

With this methodology we have trained more than 250,000 physicians with unprecedented success, in all clinical specialties regardless of the surgical load. All this in a highly demanding environment, where the students have a strong socio-economic profile and an average age of 43.5 years.

Re-learning 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 (we learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



In this program you will have access to the best educational material, prepared with you 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



Latest Techniques and Procedures on Video

We introduce you to the latest techniques, to the latest educational advances, to the forefront of current medical techniques. All this, in first person, with the maximum rigor, explained and detailed for your assimilation and understanding. And best of all, you can watch them as many times as you want.



Interactive Summaries

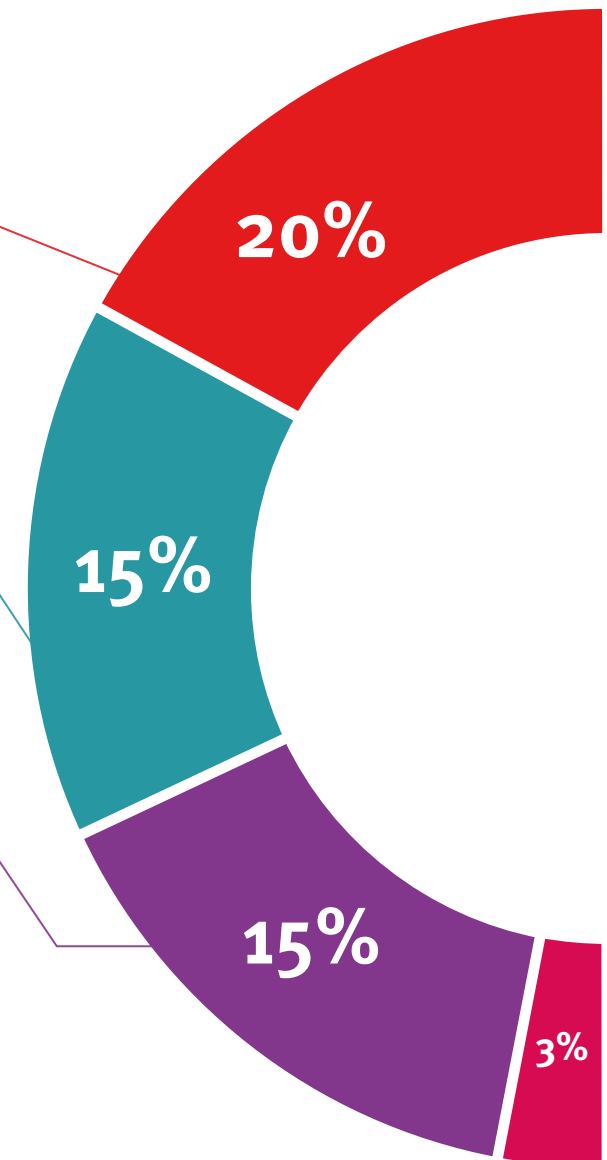
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

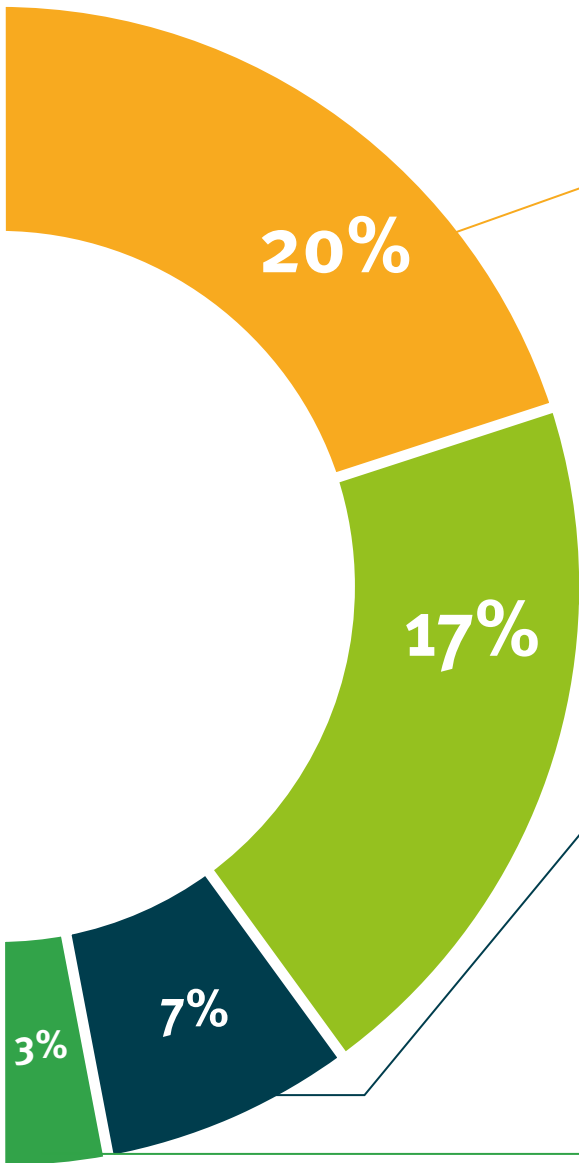
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents, international guides. in our virtual library you will have access to everything you need to complete your training.





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through 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 your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence in our future difficult decisions.



Quick Action Guides

We offer you the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help you progress in your learning.



06 Certificate

The **Postgraduate Certificate in Colorectal Tumors** guarantees you, 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 and receive your university degree without travel or laborious paperwork”

This **Postgraduate Certificate in Colorectal Tumors** contains the most complete and updated scientific program on the market.

After students have passed the assessments, they will receive their Postgraduate Certificate issued by **TECH Technological University**.

The diploma issued by **TECH Technological University** will specify the qualification obtained through the University Course, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Colorectal Tumors**

ECTS: **12**

Official Number of Hours: **300**



*Apostille Convention. In the event that the student wishes to have their paper diploma 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



Postgraduate Certificate
Colorectal Tumors

Course Modality: Online

Duration: 2 months.

Certificate: TECH Technological University

12 ECTS Credits

Teaching Hours: 300 hours

Postgraduate Certificate Colorectal Tumors

