

# Postgraduate Certificate

## Diagnosis in Digestive Oncology





## Postgraduate Certificate Diagnosis in Digestive Oncology

- » 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/diagnosis-digestive-oncology](http://www.techtute.com/pk/medicine/postgraduate-certificate/diagnosis-digestive-oncology)

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# 01

# Introduction

Tumors in the digestive system are one of the main causes of death by cancer. In this sense, it is essential to have medical professionals trained in diagnosis in Digestive Oncology, who are updated in complementary studies in digestive tumors, including conventional radiological techniques and nuclear medicine, as well as molecular diagnosis and genetic study in patients with risk factors. For this reason, TECH at the forefront of university education has designed this program with a complete academic itinerary that addresses, among other things, preoperative assessment in elderly patients and the role of the microbiome in the prevention and early diagnosis of digestive tumors. This 100% online program is an opportunity to update knowledge and diagnostic skills in Digestive Oncology, and thus be able to provide quality care to patients with tumors in the digestive system.





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*Digestive Oncology is a topic of great importance today. Increase your knowledge in the area with this specific 100% online program"*



The relevance of the knowledge acquired in this course for physicians today is undeniable. Tumors in the digestive system are one of the leading causes of death from cancer, which underscores the importance of having professionals trained in the diagnosis and treatment of this disease. Accurate and early diagnosis of digestive cancer can significantly improve the chances of successful treatment and patient survival.

TECH's Postgraduate Certificate in Diagnosis in Digestive Oncology is a unique opportunity for medical professionals interested in specializing in the diagnosis of tumors in the digestive system. This training program consists of 1 module that focuses on complementary studies in digestive tumors.

This module delves into conventional radiological techniques, nuclear medicine and molecular diagnostics, among other key topics in the diagnosis of digestive tumors. In addition, course participants will have the opportunity to learn about the role of the microbiome in the prevention and early diagnosis of digestive tumors.

The methodology of TECH's Postgraduate Certificate in Diagnosis in Digestive Oncology is 100% online, which means that participants can study from anywhere and on their own schedule. In addition, the program has a team of highly qualified teachers and updated and relevant learning resources.

Therefore, this Postgraduate Certificate in Diagnosis in Digestive Oncology from TECH provides physicians with a complete and specialized training in complementary studies in digestive tumors, which will allow them to plan treatments and make informed decisions in the care of patients with tumors in the digestive system. The knowledge gained may also open up new job opportunities for medical professionals.

This **Postgraduate Certificate in Diagnosis in Digestive Oncology** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of practical cases presented by experts in Oncologic Digestive Surgery
- ♦ Graphic, schematic, and 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, forums for discussion of controversial issues and individual reflection papers
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*By completing this program you will be better prepared to plan treatments and make informed decisions in the care of patients with digestive tumors"*

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*You will update knowledge and skills in Diagnosis in Digestive Oncology and provide quality care to patients with tumors in the digestive system”*

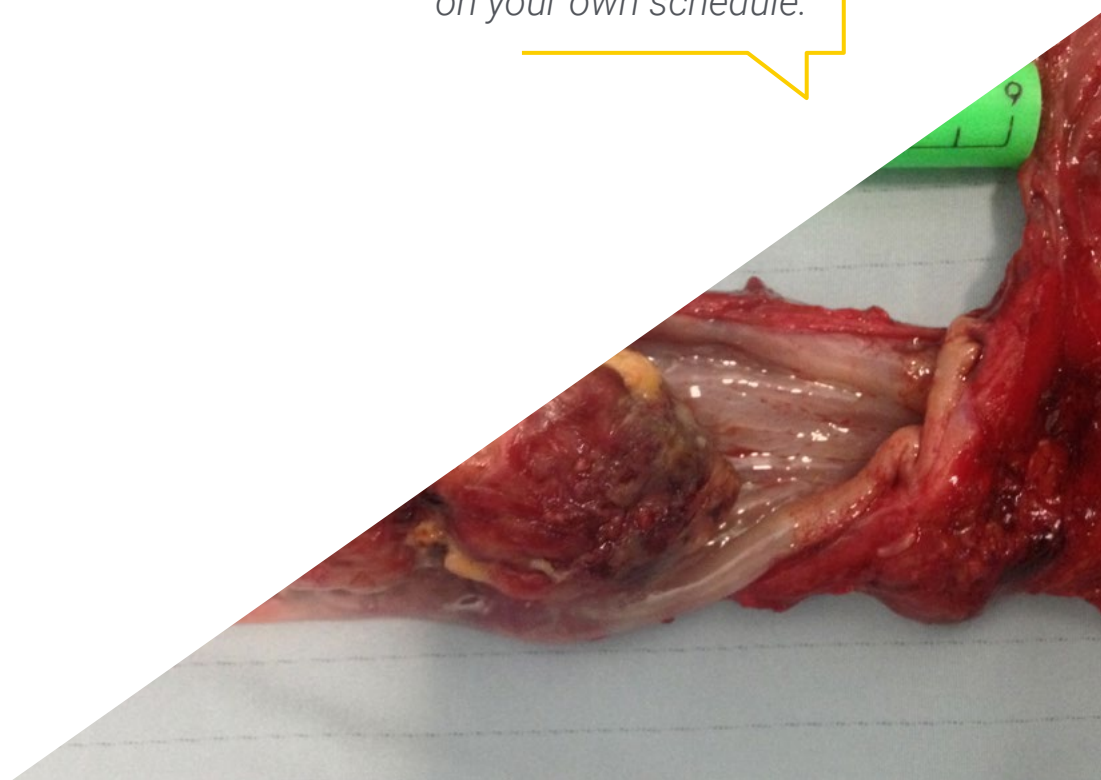
The program's teaching staff includes professionals from sector who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

Its multimedia content, developed with the latest educational technology, will provide the professionals with situated and contextual learning, i.e., a simulated environment that will provide an immersive education programmed to learn in real situations.

The design of this program focuses on Problem-Based Learning, by means of which the professionals must try to solve the different professional practice situations that are presented throughout the academic course. This will be done with the help of an innovative system of interactive videos made by renowned experts.

*The genetic study in patients with risk factors for digestive tumors is another key topic addressed in this program.*

*The 100% online methodology will allow you to study from anywhere and on your own schedule.*



# 02 Objectives

The main objectives of TECH's Postgraduate Certificate in Diagnosis in Digestive Oncology are to provide a complete and specialized education in the diagnosis of tumors in the digestive system and to update knowledge and skills in the area. The program focuses on complementary studies in digestive tumors, including conventional radiological techniques, nuclear medicine and molecular diagnostics, among other key topics. Participants will have the opportunity to learn about the role of the microbiome in the prevention and early diagnosis of digestive tumors, and thus provide quality care to patients with tumors in the digestive system.







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*Give your career the boost it needs with the new knowledge you will acquire in this Postgraduate Certificate”*



## General Objectives

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- Deepen the specific knowledge on the management of patients with tumors affecting the digestive system
- Discern the surgical techniques to be used and the new technologies currently available for their diagnosis and treatment
- Know where modern surgery is heading and which are the ways of its development
- Study the fundamentals of research in oncological surgery
- Know the way to develop research projects, how to do it and where to get help
- To develop skills and technical knowledge with which to face any situation presented by a patient in an oncological surgery unit of the digestive system



*Update your professional profile in an area with ample opportunities for expansion and high demand at present"*







## Specific Objectives

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- ♦ Understand the different radiological techniques and their indications in the primary diagnosis of digestive tumors, including ultrasound, CT and MRI
- ♦ Study the peculiarities of the different radiological techniques for early diagnosis both in healthy population (Screening) and in people with risk factors
- ♦ Know the contributions of conventional radiology in the follow-up of patients with digestive tumors
- ♦ Analyze the different contributions of interventional radiology to the diagnosis of digestive tumors
- ♦ Review the basic radiopharmaceuticals used in digestive pathology, as well as the contributions of Nuclear Medicine to the field of Digestive Oncological Surgery
- ♦ Understand the basis of molecular diagnostics and its contribution to the development of cancer panels, as well as its importance in the design of personalized therapies and its value in the analysis of response to treatment
- ♦ Examine the main hereditary syndromes involved in the development of digestive tumors, their implication in the detection of high-risk patients and the planning of prophylactic surgeries
- ♦ Understand the concept of microbiome and its possible role in the carcinogenesis process that determines the development of digestive tumors
- ♦ Know the possible role of the microbiome both in the early diagnosis and prevention of digestive tumors



03

# Course Management

TECH's Postgraduate Certificate in Diagnosis in Digestive Oncology has a highly qualified and experienced faculty in the field of digestive oncology. The professors of the course are committed to the training and updating of knowledge of the participants, and provide a complete and specialized training in the diagnosis of tumors in the digestive system. The quality of the faculty is a guarantee of the academic excellence of the program and the training of the medical professionals who participate in it.





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*You will have access to a team of highly trained faculty and relevant, up-to-date learning resources"*

## Management



### Dr. Alonso Casado, Oscar

- Chief of Hepatobiliopancreatic Surgery at MD Anderson Cancer Center Madrid Hospital
- Specialist in the General and Digestive Oncology Surgery Service at MD Anderson Cancer Center Madrid, collaborating in the Thoracic Surgery Unit and Plastic Surgery Unit
- Assistant Surgeon at Quirónsalud Sur and El Escorial Hospitals
- Clinical Tutor in Practical Teaching at UFV and MD Anderson Cancer Center Madrid
- Degree in Surgery and Medicine from the UCM
- Certified in Console Surgery of the Da Vinci Xi Robotic System



## Professors

### Dr. Casado Pérez, Gloria

- ◆ Specialist in the Digestive Tumors and Peritoneal Oncology Unit at MD Anderson Cancer Center Madrid
- ◆ Degree in Medicine and Surgery from the Autonomous University of Madrid
- ◆ Specialty in General and Digestive Surgery at Hospital university 12 de Octubre
- ◆ Fellowship in Gastrointestinal Oncologic Surgery at the Washington Hospital Center
- ◆ Master in Molecular Oncology and Molecular Basis of Cancer at the CNIO National Cancer Research Center

# 04

## Structure and Content

The methodology of TECH's Postgraduate Certificate in Diagnosis in Digestive Oncology is taught 100% online, which means that participants study from anywhere and on their own schedule. This program consists of 1 module that focuses on complementary studies in digestive tumors. The syllabus is complete and up to date, and the teaching staff is highly qualified and committed to the training of the participants. The methodology of the course and the structure of the program guarantee a quality and specialized update in the diagnosis of tumors in the digestive system.





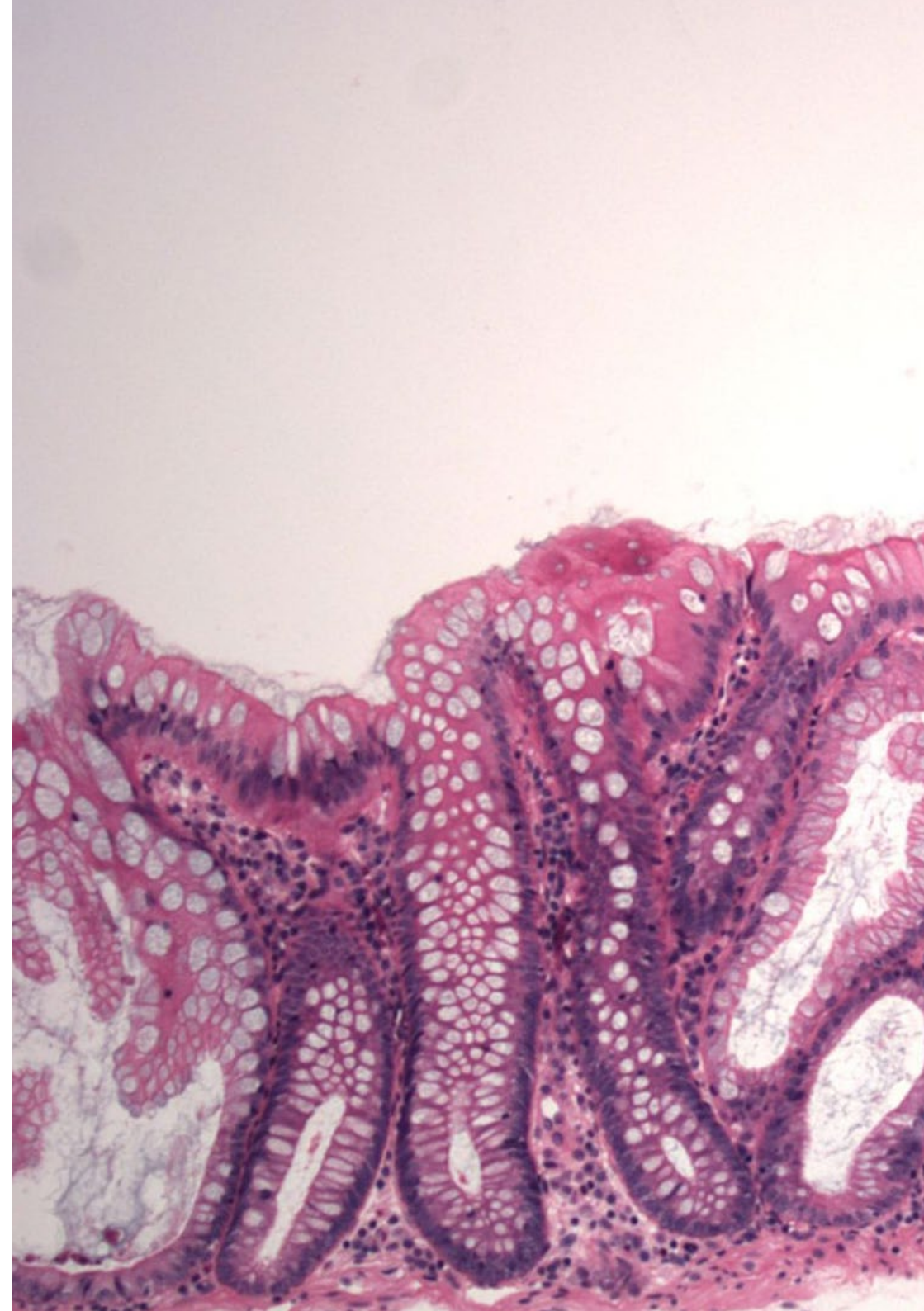


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*A syllabus developed by medical experts and a 100% online methodology will be key to a successful catch-up"*

## Module 1. Complementary studies in digestive tumors

- 1.1. Role of conventional radiological techniques
  - 1.1.1. Initial Diagnosis
  - 1.1.2. Extension study in patients with digestive tumors
  - 1.1.3. Treatment planning
- 1.2. Role of conventional radiology in the early diagnosis and follow-up of patients with digestive tumors
  - 1.2.1. Ultrasound
  - 1.2.2. CAT
  - 1.2.3. MRI
- 1.3. Role of interventional radiology in digestive tumors
  - 1.3.1. Diagnostic techniques
  - 1.3.2. Participation in treatment
  - 1.3.3. Role in the management of complications
- 1.4. Nuclear medicine in the management of digestive tumors
  - 1.4.1. Diagnostic Techniques
  - 1.4.2. Role in treatment
  - 1.4.3. Radioguided surgery
- 1.5. Anatomopathological diagnosis. Beyond morphology
  - 1.5.1. Importance of intraoperative biopsy
  - 1.5.2. Handling of fresh specimen and study of margins
  - 1.5.3. Histological risk factors
  - 1.5.4. Standardization of reports
- 1.6. Molecular diagnosis
  - 1.6.1. Concept of molecular diagnostics
  - 1.6.2. Cancer panels
  - 1.6.3. From diagnosis to the design of personalized therapies







- 1.7. Genetic study in patients with risk factors for digestive tumors
  - 1.7.1. Hereditary syndromes associated with digestive tumors
  - 1.7.2. Detection of patients at risk
  - 1.7.3. Follow-up and prophylactic treatment in patients at risk
- 1.8. Diagnostic techniques in digestive tumors performed by surgeons
- 1.9. Microbiome and digestive tumors
  - 1.9.1. Concept of microbiota
  - 1.9.2. Role of the microbiome in carcinogenesis
  - 1.9.3. Role of the microbiome in the early diagnosis and prevention of digestive tumors
- 1.10. Preoperative assessment of the elderly patient
  - 1.10.1. Surgical risk scales
  - 1.10.2. Concept of frailty
  - 1.10.3. Prehabilitation in the elderly

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*A syllabus developed by medical experts and a 100% online methodology will be key to a successful catch-up”*

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 Diagnosis in Digestive Oncology guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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*Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork”*



This **Postgraduate Certificate in Diagnosis in Digestive Oncology** 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 in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Diagnosis in Digestive Oncology**

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.



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