

Postgraduate Diploma

Diagnosis and Treatment of Tumors of the Upper Digestive Tract





Postgraduate Diploma

Diagnosis and Treatment of Tumors of the Upper Digestive Tract

Course Modality: **Online**

Duration: **6 months**

Certificate: **TECH Technological University**

18 ECTS Credits

Teaching Hours: **450 hours**

Website: www.techtitute.com/medicine/postgraduate-diploma/postgraduate-diploma-diagnosis-treatment-tumors-upper-digestive-tract

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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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This Postgraduate Diploma in Diagnosis and Treatment of Tumors of the Upper Digestive Tract contains the most complete and up-to-date scientific program on the market”

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.



*Increase your competences in the
Diagnosis and Treatment of Tumors
of the Upper Digestive Tract”*

This **Postgraduate Diploma in Diagnosis and Treatment of Tumors of the Upper Digestive Tract** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ♦ Clinical cases presented by experts in the different specialties. 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
- ♦ New developments in the diagnosis and treatment of tumors of the upper gastrointestinal tract
- ♦ Algorithm-based interactive learning system for decision-making in the presented clinical situations
- ♦ With special emphasis on evidence-based medicine and research methodologies in the diagnosis and treatment of tumors of the upper gastrointestinal tract
- ♦ All 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

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This Postgraduate Diploma may be the best investment you can make when choosing a refresher program for two reasons: in addition to updating your knowledge in the diagnosis and treatment of tumors of the upper gastrointestinal tract, you will obtain a 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 specialization 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.

This program is designed around Problem Based Learning, whereby the medical must try to solve the different professional practice situations that arise during the course. This will be done with the help of an innovative interactive video system created by renowned experts in the field of diagnosis and treatment of digestive tumors and with extensive teaching experience.

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

Don't miss the opportunity to update your knowledge in the diagnosis and treatment of the upper gastrointestinal tract 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 in a practical and rigorous way the study of the diagnosis and treatment of the upper gastrointestinal tract tumors.





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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”

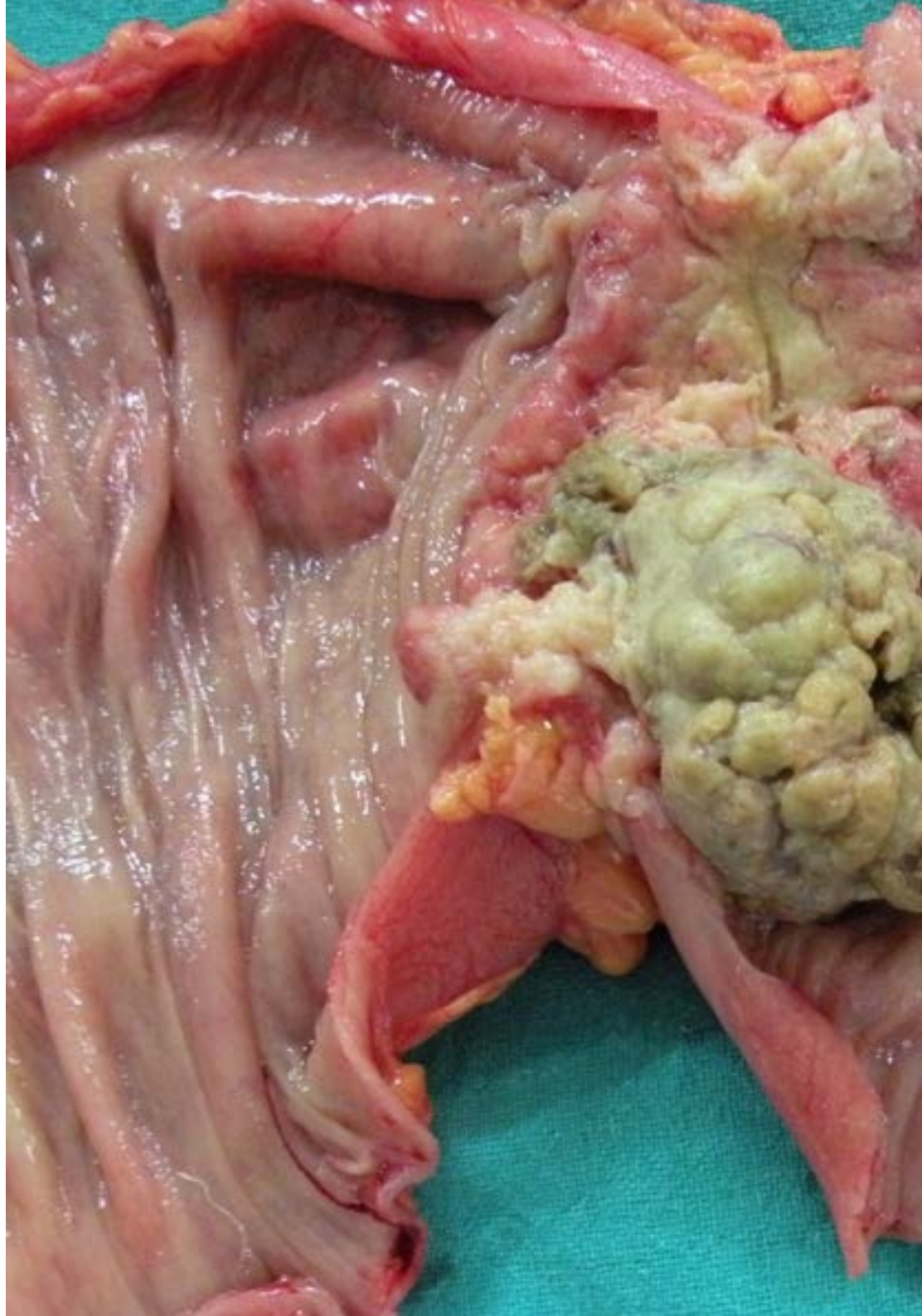


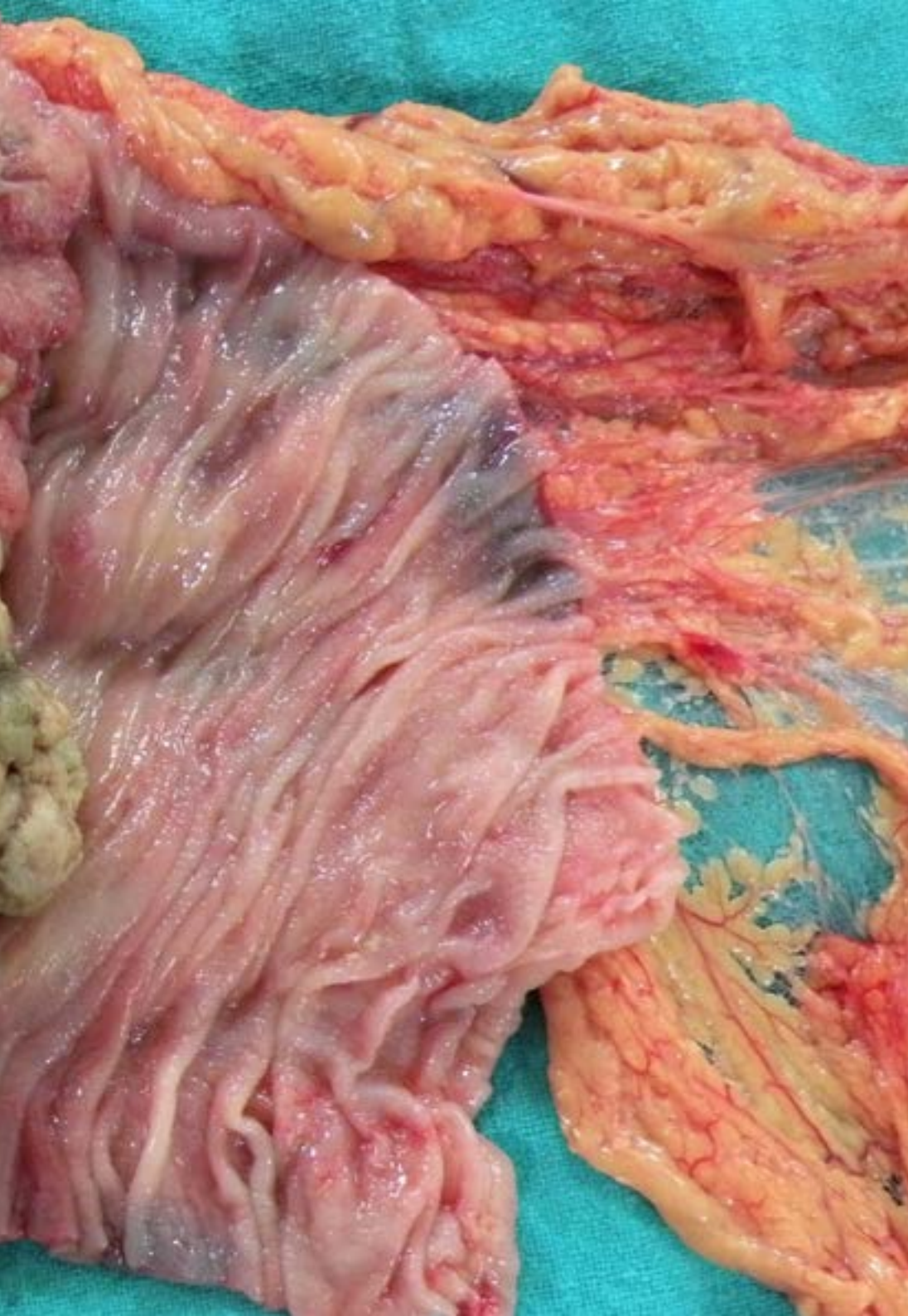
General Objectives

- Create a global and updated vision of the upper gastrointestinal tract and all its aspects, allowing 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



Seize the opportunity and take the step to get up to date on the latest developments in the diagnosis and treatment of tumors of the upper gastrointestinal tract”





Specific Objectives

- ♦ Update knowledge in the molecular biology of cancer, especially in relation to the concept of genetic heterogeneity, reprogramming of the microenvironment in digestive tumors, role of the immune response in cancer control, circulating biomarkers and tissue molecular markers.
- ♦ 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
- ♦ Describe the therapeutic algorithm for the management of each of the esophageal and gastric tumors in the different stages
- ♦ 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

03

Course Management

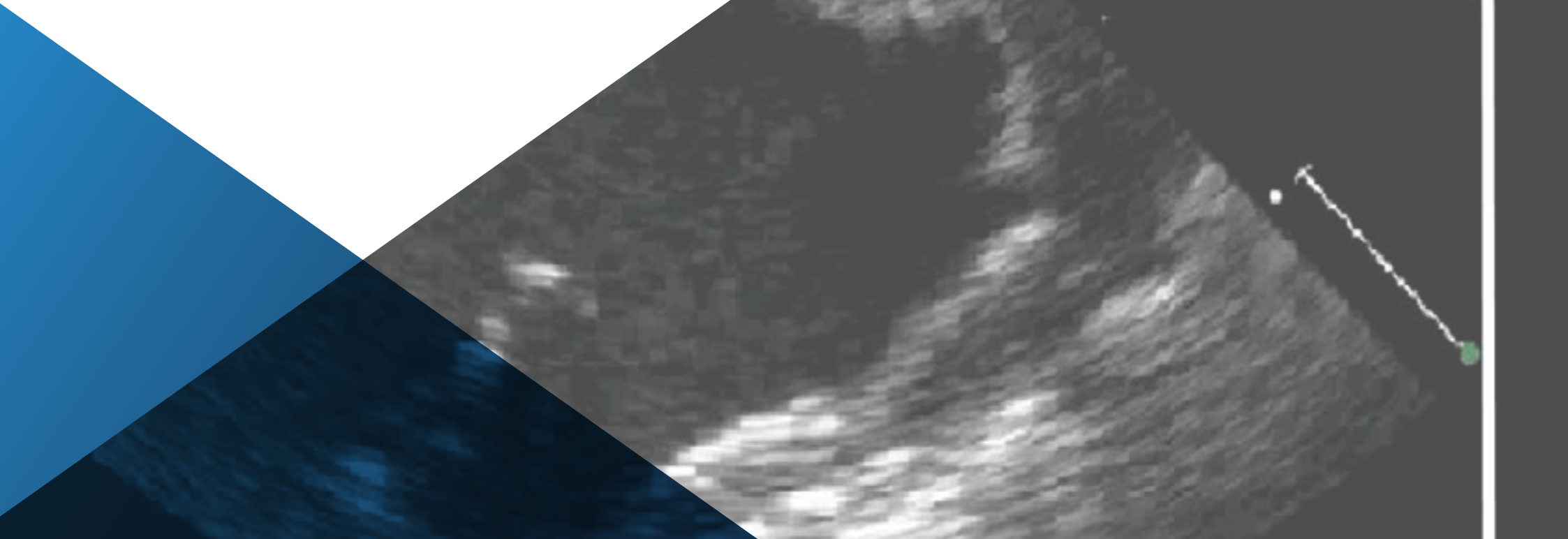
This program includes highly regarded health professionals in the field of digestive oncology in its teaching staff, who bring the experience of their work to this specialization.

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 from leading professionals the latest advances in diagnosis and treatment of tumors of the upper gastrointestinal tract”

Management



Dr. 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).



Dr. 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
- Training 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



Dr. 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. 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. Betés Ibáñez, Maite

- ♦ Gastroenterology Department
- ♦ Navarra University Clinic

Dr. Carmona Bayonas, Alberto

- ♦ Medical Oncology Service
- ♦ Morales Meseguer University Hospital, Murcia, Spain

Dr. Concha Lopez, Ángel

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

Dr. Del Cerro Peñalver, Elia

- ♦ Head of Radiation Oncology Service
- ♦ Quironsalud Hospital of Madrid

Dr. Díez del Val, Ismael

- ♦ General Surgery Department
- ♦ Basurto University Hospital, Bilbao

Dr. Esco Barón, Ricardo

- ♦ Radiation Oncology Service
- ♦ Quironsalud Hospital of Zaragoza

Dr. Figueroa, Angélica

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

Dr. Hernández García-Gallardo, Diego

- ♦ Esophago-Gastric Surgery Unit
- ♦ General Surgery, Digestive System and Abdominal Organ Transplantation Department
- ♦ Doce de Octubre University Hospital, Madrid

Dr. Ibáñez Aguirre, Javier

- ♦ Head of the General Surgery Services
- ♦ Galdakao Hospital, Vizcaya

Dr. Jimenez-Fonseca, Paula

- ♦ Medical Oncology Service
- ♦ Asturias Central University Hospital

Dr. López López, Rafael

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

Dr. Maldonado, Antonio

- ♦ Head of the Nuclear Medicine Department and Molecular Imaging
- ♦ Quironsalud University Hospital of Madrid

Dr. Martínez Ares, David

- ♦ Head of the Gastroenterology Department
- ♦ Galician Institute of Digestive Diseases

Dr. Ortiz Fernandez-Sordo, Jacobo

- ♦ Gastroenterology Department
- ♦ Nottingham University Hospital

Dr. Paramio Gonzalez, Jesús

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

Dr. Pera Román, Manuel Ramón

- ♦ Head of the General Surgery Department
- ♦ Del Mar University Hospital, Barcelona



Dr. Repiso Ortega, Alejandro

- ♦ Gastroenterology Department
- ♦ Virgen de la Salud Hospital Complex of Toledo

Dr. Rodríguez Rodríguez, Javier

- ♦ Medical Oncology Service
- ♦ Navarra University Clinic

Dr. Rueda Fernández, Daniel

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

Dr. Sánchez Pernaute, Andrés

- ♦ Head of the General Surgery Department
- ♦ San Carlos Clinical University Hospital Madrid

Dr. Valladares Ayerbes, Manuel

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

Dr. Velastegui Ordoñez, Alejandro

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

Dr. Vera García, Ruth

- ♦ Medical Oncology Service
- ♦ Navarra University Hospital

04

Structure and Content

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





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Module 1. Molecular Biology and Translational Oncology

- 1.1. Molecular Mechanisms of Cancer
- 1.2. Tumor Immunology: Basis of Cancer Immunotherapy
- 1.3. Microenvironment Reprogramming in Digestive Tumors
- 1.4. Role of the Biobank in Clinical Research
- 1.5. Understanding the New Technology: Next Generation Sequence (NGS) in clinical practice

- 1.6. Liquid Biopsies: Fashion or Future?
- 1.7. Update on Molecular Markers for Treatment Decisions in Gastrointestinal Malignancies
- 1.8. Do Molecular and Immunological Classifications Have Clinical Implications in 2017?





Module 2. Tumors of the Upper Gastrointestinal Tract

- 2.1. Oesophageal Cancer
 - 2.1.1. Differences Between Squamous Cell Carcinoma and Adenocarcinoma of the Esophagus
 - 2.1.2. Endoscopic Aspects of Esophageal Cancer: Diagnosis and Staging
 - 2.1.3. Clinical Impact of 18F-FDG PET/CT in the Therapeutic Management of Patients with Oesophagus Cancer
 - 2.1.4. Endoscopic Treatment of Superficial Esophageal Neoplasms
 - 2.1.5. Conventional Surgical Approach to Carcinoma of the Esophagus
 - 2.1.6. Minimally Invasive and Robotic Esophageal Cancer Surgery
 - 2.1.7. Evolution in Neoadjuvant and Adjuvant Treatment of Esophageal Cancer
 - 2.1.8. Management of Metastatic Esophageal Cancer
- 2.2. Gastric Cancer
 - 2.2.1. Diagnosis and Staging of Gastric Adenocarcinoma
 - 2.2.2. Minimally Invasive and Robotic Gastric Surgery
 - 2.2.3. Extension of Lymphadenectomy in Gastric Cancer
 - 2.2.4. Neoadjuvant and Adjuvant Treatment in Gastric Cancer: What is the Optimal Approach?
 - 2.2.5. Advanced Gastric Cancer National Registry (AGAMENON)
 - 2.2.6. First-Line Treatment of HER2-Negative Metastatic Gastric Cancer
 - 2.2.7. Second-Line Treatment of HER2-Negative Metastatic Gastric Cancer
 - 2.2.8. Metastatic Gastric Cancer: Impact of Drugs Targeting the HER2 Pathway
 - 2.2.9. Metastatic Gastric Cancer: Impact of Immune Checkpoint Inhibitors

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 Diploma in the Diagnosis and Treatment of Tumors of the Upper Digestive Tract** guarantees you, in addition to the most accurate and up-to-date specialization, access to a certificate issued by **TECH Technological University**.





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*Successfully complete this specialisation
and receive your university degree
without travel or laborious paperwork”*

This **Postgraduate Diploma in Diagnosis and Treatment of Tumors of the Upper Digestive Tract** contains the most complete and up-to-date scientific program on the market.

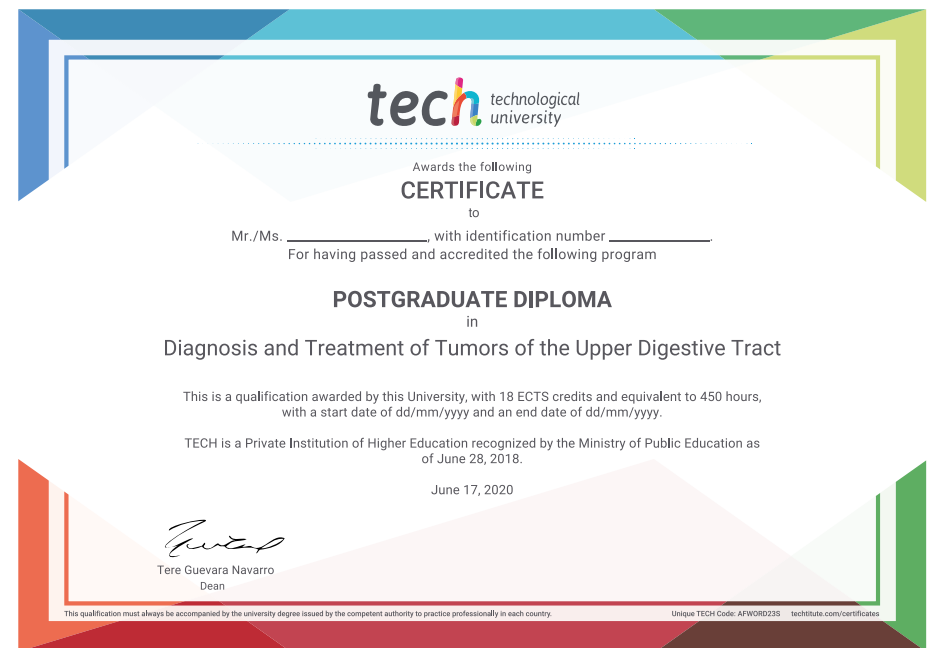
After passing the assessments, students receive their Postgraduate Diploma issued by **TECH Technological University** posted by certified mail.

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

Title: **Postgraduate Diploma in Diagnosis and Treatment of Tumors of the Upper Digestive Tract**

ECTS: **18**

Official Number of Hours: **450 hours**



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 Diploma
Diagnosis and Treatment
of Tumors of the Upper
Digestive Tract

Course Modality: Online

Duration: 6 months

Certificate: TECH Technological University

18 ECTS Credits

Teaching Hours: 450 hours

Postgraduate Diploma

Diagnosis and Treatment of Tumors of the Upper Digestive Tract

