

# Hybrid Professional Master's Degree

## Update on General and Digestive Surgery





## Hybrid Professional Master's Degree

### Update on General and Digestive Surgery

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

Credits: 60 + 4 ECTS

Website: [www.techtute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-update-general-digestive-surgery](http://www.techtute.com/us/medicine/hybrid-professional-master-degree/hybrid-professional-master-degree-update-general-digestive-surgery)

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# 01

# Introduction

Over the last few years, thanks to technological advances, updated techniques have emerged that favor the detection and treatment of various pathologies related to the digestive system. These innovations, which allow to improve the health and quality of life of patients, must be known by doctors to incorporate them into their daily practice, so this TECH program is an excellent ally for this purpose. Through a 100% online theoretical learning, experts will master the handling of the new robotic surgery or increase their knowledge in pancreatic interventions. In addition, once this teaching phase is completed, you will have access for 3 weeks to a high-level hospital center to develop your skills in a real environment, surrounded by prestigious specialists in General and Digestive Surgery.





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*Expand your knowledge in General and Digestive Surgery and stand out professionally in a sector in constant evolution”*

General and digestive surgery is a medical specialty that is constantly being updated to ensure the health of patients. This discipline faces increasingly complex challenges associated with the development of solid organ transplant surgery, oncological interventions or emergency procedures, so that techniques and procedures are constantly evolving to adapt to them. As a result, physicians must be aware of these advances in order to incorporate them into their work routine. However, the immense speed at which these changes occur often makes it impossible for professionals to reconcile their required learning with their own professional life.

For this reason, TECH has created this program which, thanks to its 100% online methodology during the theoretical stage, will allow professionals to manage their own schedules in order to optimize their education and place themselves at the forefront of this branch of medicine. Throughout the 12 months of duration of this Hybrid Professional Master's Degree, the student will master the latest advances in medical oncology and radiation oncology in colon cancer or handle the updated diagnostic methods for breast pathologies. Likewise, they will expand their skills in the treatment of midline and lateral hernias.

Likewise, after passing the theoretical stage, the student will have a practical phase of 3 weeks in a highly prestigious hospital, where they will be integrated into a multidisciplinary work team and will take all the knowledge acquired to the real world. In addition, you will be accompanied by a specific tutor who will answer all your questions and give you the best advice to achieve excellent learning.

Therefore, the Hybrid Professional Master's Degree in Update on General and Digestive Surgery is an excellent opportunity for the expert to increase and update their knowledge in an enjoyable way, without sacrificing scientific rigor and adapting the teaching process to their personal and professional needs.

This **Hybrid Professional Master's Degree in Update on General and Digestive Surgery** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Development of more than 100 clinical cases presented by medical professionals specialized in general and digestive surgery and by university professors with extensive experience in this field
- ♦ The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- ♦ Application of the latest surgical techniques for the intervention of various pathologies
- ♦ New diagnostic and treatments for hepatic, endocrine or rectal surgery
- ♦ Presentation of practical workshops on procedures and techniques
- ♦ Algorithm-based interactive learning system for decision-making in the presented clinical situations
- ♦ 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
- ♦ Furthermore, you will be able to carry out a clinical internship in one of the best hospital centers



*A unique program that stands out for the quality of its contents and for its excellent teaching staff, composed of elite professionals in general and digestive system surgery”*

“

*At the end of the theoretical learning stage, you will have access to an intensive practical phase of 3 weeks in a prestigious hospital to acquire the knowledge that will favor your growth in this sector”*

In this Hybrid Professional Master's Degree proposal, of a professionalizing nature and hybrid learning modality, the program is aimed at updating medical professionals who perform their functions in the general surgery and digestive system unit, and who require a high level of qualification. The contents are based on the latest scientific evidence, and oriented in a didactic way to integrate theoretical knowledge into Doctor practice, and the theoretical-practical elements will facilitate the updating of knowledge and allow decision making in patient management.

Thanks to their multimedia content developed with the latest educational technology, they will allow the medical professional to learn in a contextual and situated learning environment, i.e., a simulated environment that will provide immersive learning 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 throughout the program. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*The constant updating of knowledge is key to provide better patient care so TECH offers you the best tools to achieve it.*

*This Hybrid Professional Master's Degree allows you to exercise in simulated environments, which provide immersive learning programmed to train in real situations.*



02

# Why Study this Hybrid Professional Master's Degree?

In the field of general and digestive surgery, theoretical knowledge is essential for professional growth. Therefore, it is necessary to master the latest techniques and new surgical procedures, but it is also essential to know how to transfer them to the real activity. For this reason, TECH has created a program that combines excellent theoretical learning with a practical phase in a first class hospital center. Thanks to this, surrounded by the best professionals in this branch of medicine, students will acquire a series of skills completely applicable in their daily work routine.







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*TECH gives you the opportunity to combine an excellent theoretical learning with a internship of 3 weeks in a prestigious hospital center to increase your skills in this branch of medicine”*

### 1. Updating from the latest technology available

The field of general and digestive system surgery has evolved in recent years thanks to the appearance of new surgical devices, more efficient techniques and the popularization of robotic surgery. Due to this, and in order to bring professionals closer to this technology, TECH has created this program, with which experts will learn about the latest advances in this field to perform excellently in their profession.

### 2. Gaining in-depth knowledge from the experience of top specialists

This Hybrid Professional Master's Degree is designed by specialists working in the world of general and digestive surgery, who are responsible for developing all the teaching resources present in the program. For this reason, all the knowledge offered to students will be applicable in their professional life.

### 3. Entering first-class hospital environments

TECH carefully selects all the centers available for internships. Thanks to this, the specialist will have guaranteed access to a prestigious clinical environment in the field of general and digestive system surgery. In this way, they will be able to see the day-to-day work of a demanding, rigorous and exhaustive sector, always applying the latest theses and scientific postulates in its work methodology.





#### 4. Combining the best theory with state-of-the-art practice

In the educational market, there are a multitude of programs focused on offering content with little real applicability. Faced with this, TECH has opted to create a program that will combine excellent theoretical learning with a practical stay of 3 weeks in a prestigious hospital, with the aim of providing the student with a useful and efficient teaching.

#### 5. Expanding the boundaries of knowledge

TECH offers the possibility of carrying out this Internship Program in centers of international importance. In this way, the specialist will be able to expand their boundaries and keep up to date with the best professionals, who perform in first class hospitals and in different continents. A unique opportunity that only TECH could offer.



*You will have full practical immersion at the center of your choice"*

# 03 Objectives

This Hybrid Professional Master's Degree will allow students to acquire the necessary skills to update in the profession after delving into the key elements in General and Digestive Surgery. In this way, the professional will master the latest techniques and procedures in this field to enhance their daily practice, delving into the latest advances in emergency surgery, pancreatic surgery or robotics, among many other aspects.



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*This program gives you the opportunity to update your knowledge in a real scenario, with the maximum scientific rigor of an institution at the forefront of technology"*

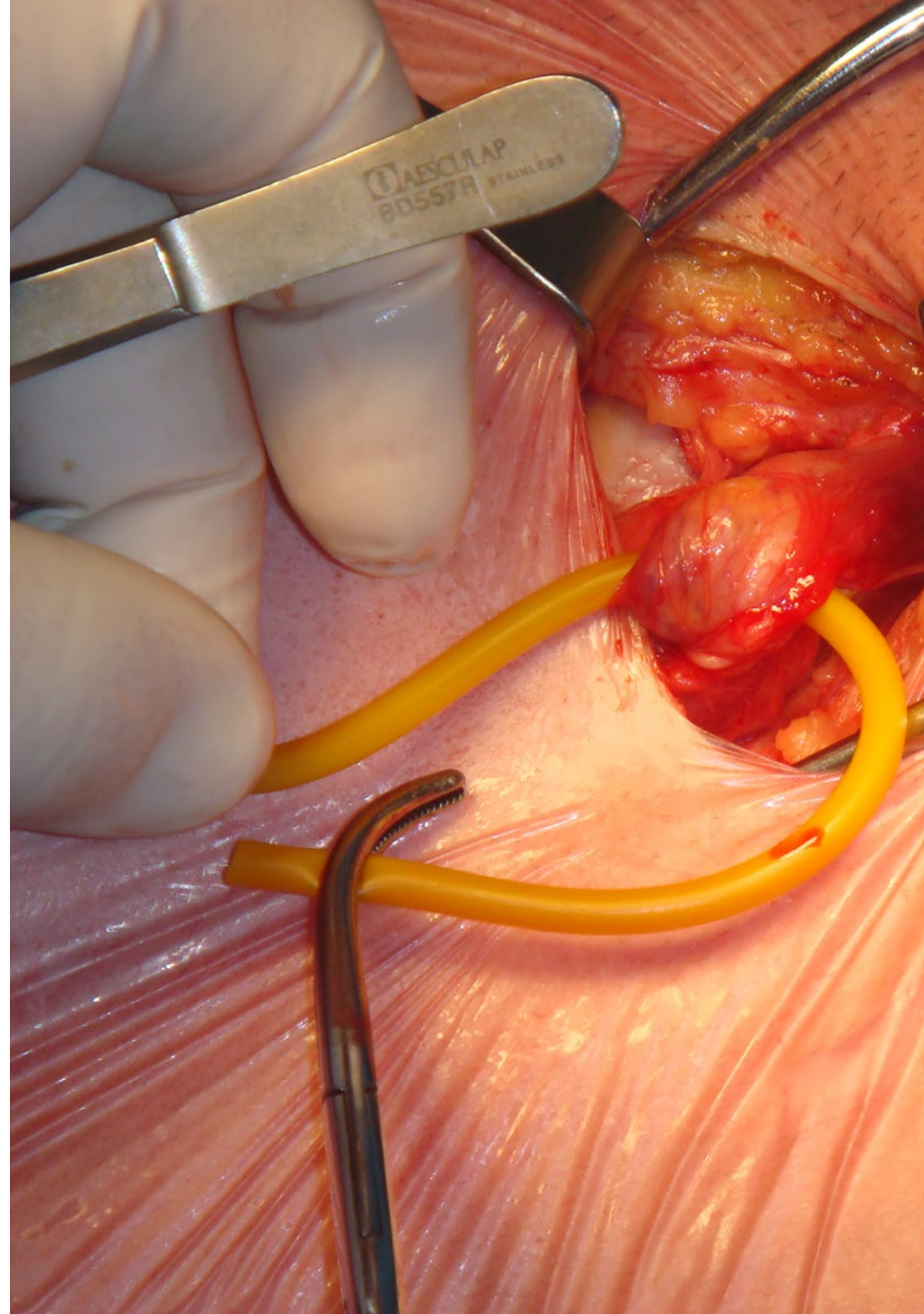


## General Objective

- The general objective of this program is to ensure that the professional updates the diagnostic and therapeutic procedures of the specialty in a theoretical and practical way, through a hospital internship designed with clinical and educational rigor, under the guidance of renowned professionals in a hospital center of the highest scientific quality and technological innovation. In this program, professionals will approach the main interventions of specialists, which will allow them to improve and enhance their skills in the medical care of their patients



*This refresher program will generate a sense of confidence when practicing medicine, which will help you grow both personally and professionally”*





## Specific Objectives

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### Module 1. Oesophagogastric Surgery

- ◆ Define the rationale, indications, limitations, and cost-effectiveness of esophagogastric surgical techniques and alternative treatments
- ◆ Establish the differences between diaphragmatic hernias and sliding hiatal hernias
- ◆ Define the treatment of achalasia and its endoscopic and surgical therapeutic management
- ◆ Address the management of benign esophagogastric tumors
- ◆ Establish the approach and treatment plan for esophageal diverticula
- ◆ Explain the practical management of patients with esophagogastric cancer

### Module 2. Bariatric Surgery

- ◆ Describe the principles and processes of bariatric surgery
- ◆ Explain the gastric sleeve process within restrictive bariatric surgery
- ◆ Point out the importance of gastric bypass for the treatment of morbid obesity and describe the malabsorptive-restrictive surgical process
- ◆ Describe the indications of other bariatric techniques such as elastic band or duodenal switch

### Module 3. Bile Duct Surgery

- ◆ Address the surgical treatment of cholelithiasis
- ◆ Approach the surgical treatment of cholestatic diseases and tumors of the bile duct and gallbladder
- ◆ Explain the surgical process in the treatment of cysts and primary sclerosing cholangitis
- ◆ Describe the surgical approach to tumors of the bile duct and gallbladder

#### **Module 4. Liver Surgery**

- ♦ Define and characterize primary liver tumors and point out the applications of interventional radiology in liver lesions
- ♦ Address the treatment of liver metastases of colorectal and non-colorectal origin
- ♦ Describe the principles for selecting candidates for liver transplantation, the surgical basis of transplantation, and immunosuppressive drugs
- ♦ Explain the surgical approach to liver cysts and abscesses

#### **Module 5. Pancreatic and Spleen Surgery**

- ♦ Establish the differences and characteristics of acute and chronic pancreatitis
- ♦ Analyze the surgical processes in treatment of pancreatic tumors and the anatomopathological considerations in pancreatic cancer
- ♦ Address the surgical management of neuroendocrine tumors
- ♦ Address the surgical management of cystic tumors of the pancreas

#### **Module 6. Colon Surgery**

- ♦ Lay the foundations of medical oncology and radiotherapy in colon cancer
- ♦ Describe the principles of colon cancer surgery
- ♦ Establish the differential characteristics in the approach to right, left and transverse colon cancer

#### **Module 7. Rectal Surgery**

- ♦ Describe the principles of rectal cancer surgery
- ♦ Describe the characteristics, similarities and differences in the abdominal, transanal and combined approaches in rectal cancer surgery
- ♦ Address the surgical management of rectal prolapse and rectocele
- ♦ Explain the surgical approach in the treatment of deep pelvic endometriosis

#### **Module 8. Anal Surgery**

- ♦ Explain the surgical technique in the management of hemorrhoids
- ♦ Develop the surgical procedure in the treatment of fissures
- ♦ Address the surgical management of anal fistulas and abscesses
- ♦ Describe the surgical management of pilonidal sinus and hidradenitis
- ♦ Point out the indications of the surgical approach in the treatment of anal incontinence
- ♦ Indicate the importance of anal HPV in the incidence of anal intraepithelial neoplasia and anal squamous cell carcinoma

#### **Module 9. Inflammatory Bowel Disease**

- ♦ Establish the principles of inflammatory bowel disease
- ♦ Address the surgical management of Crohns disease.
- ♦ Describe the surgical process of Ulcerative Colitis

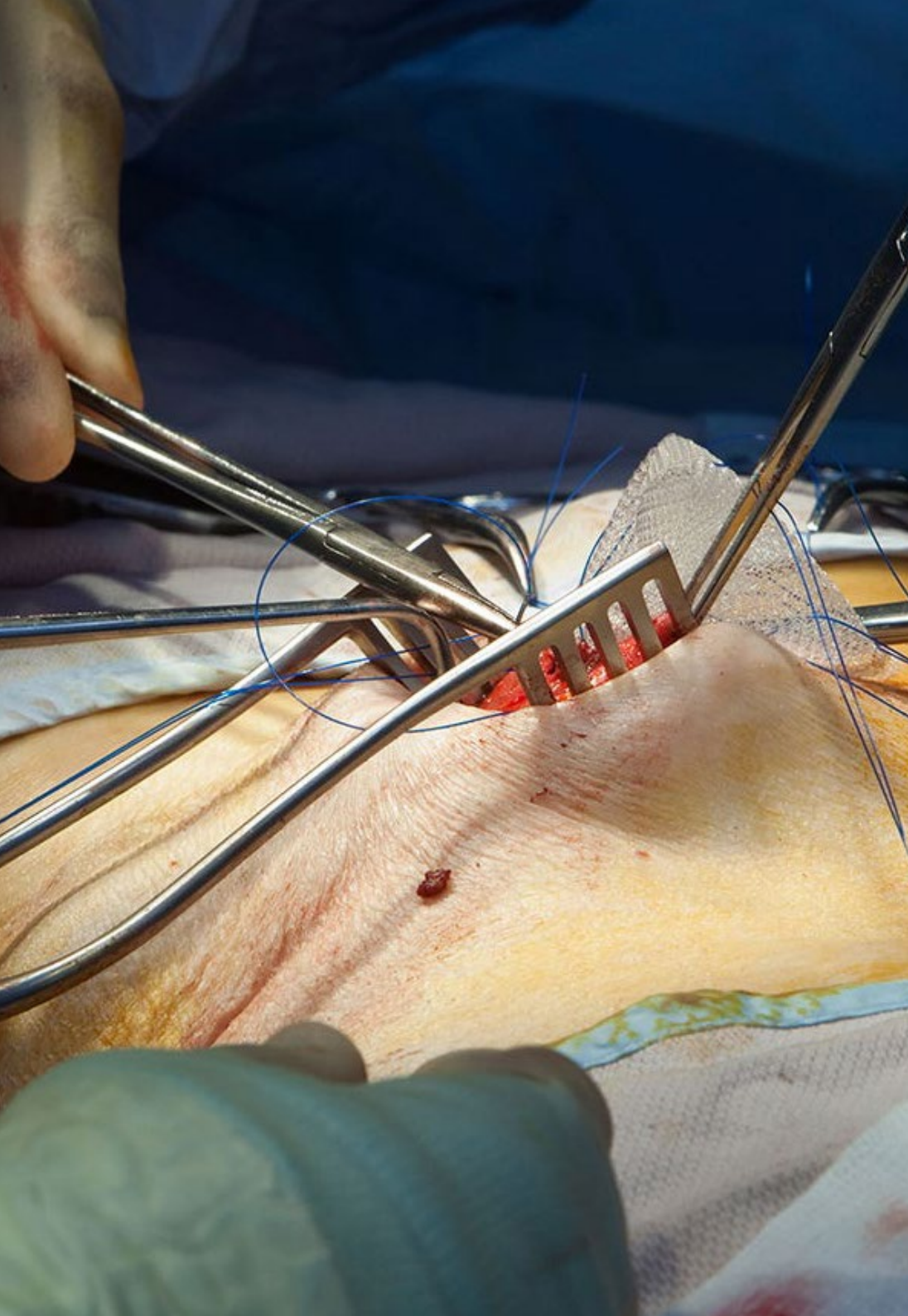
#### **Module 10. Endocrine Surgery**

- ♦ Describe the clinical features of thyroid surgery in the treatment of thyroid nodule and multinodular goiter, hyperthyroidism, and thyroid cancer.
- ♦ Address the surgical management of primary, secondary, and tertiary hyperparathyroidism
- ♦ Describe the features of the adrenal gland

#### **Module 11. Abdominal Wall Surgery**

- ♦ Address the surgical management of open abdomen and evisceration
- ♦ Explain the surgical process in the treatment of eventrations
- ♦ Describe the surgical treatment of inguinal hernias





### **Module 12. Breast Surgery**

- ◆ Point out the principles of breast surgery
- ◆ Explain the indications and surgical characteristics, as well as the oncological principles of breast cancer

### **Module 13. Peritoneal Carcinomatosis**

- ◆ Point out the principles of peritoneal carcinomatosis surgery
- ◆ Explain the indications and clinical features of peritoneal carcinomatosis surgery

### **Module 14. Digestive Surgery Emergencies**

- ◆ Address the management of general surgical procedures and techniques applied to patients in emergency situations due to upper and lower gastrointestinal bleeding
- ◆ Describe the general surgical procedures and techniques applied to patients in emergency situations for acute cholecystitis, cholangitis, appendicitis, and diverticulitis
- ◆ Address the management of general surgical procedures and techniques applied to patients in emergency situations due to acute mesenteric ischemia

### **Module 15. Surgical Innovation**

- ◆ Describe innovations in the field of general and digestive surgery: in surgical learning, in surgical devices, in NOTES surgery and in Cell Therapy and Surgery
- ◆ Point out the role of the Information and Communication Technologies applied to surgery
- ◆ Explain the indications and importance of robotic surgery
- ◆ Address the characteristics of financing, protection and innovation transfer in surgery

# 04 Skills

After passing the assessments of the Hybrid Professional Master's Degree in Update on General and Digestive Surgery, the medical professional will have acquired the professional skills necessary for quality medical care, and updated on the basis of the latest scientific evidence.



A close-up photograph of a microscope, showing the eyepiece and objective lenses, set against a blurred background of a laboratory setting. The image is partially obscured by a large blue and white geometric overlay.

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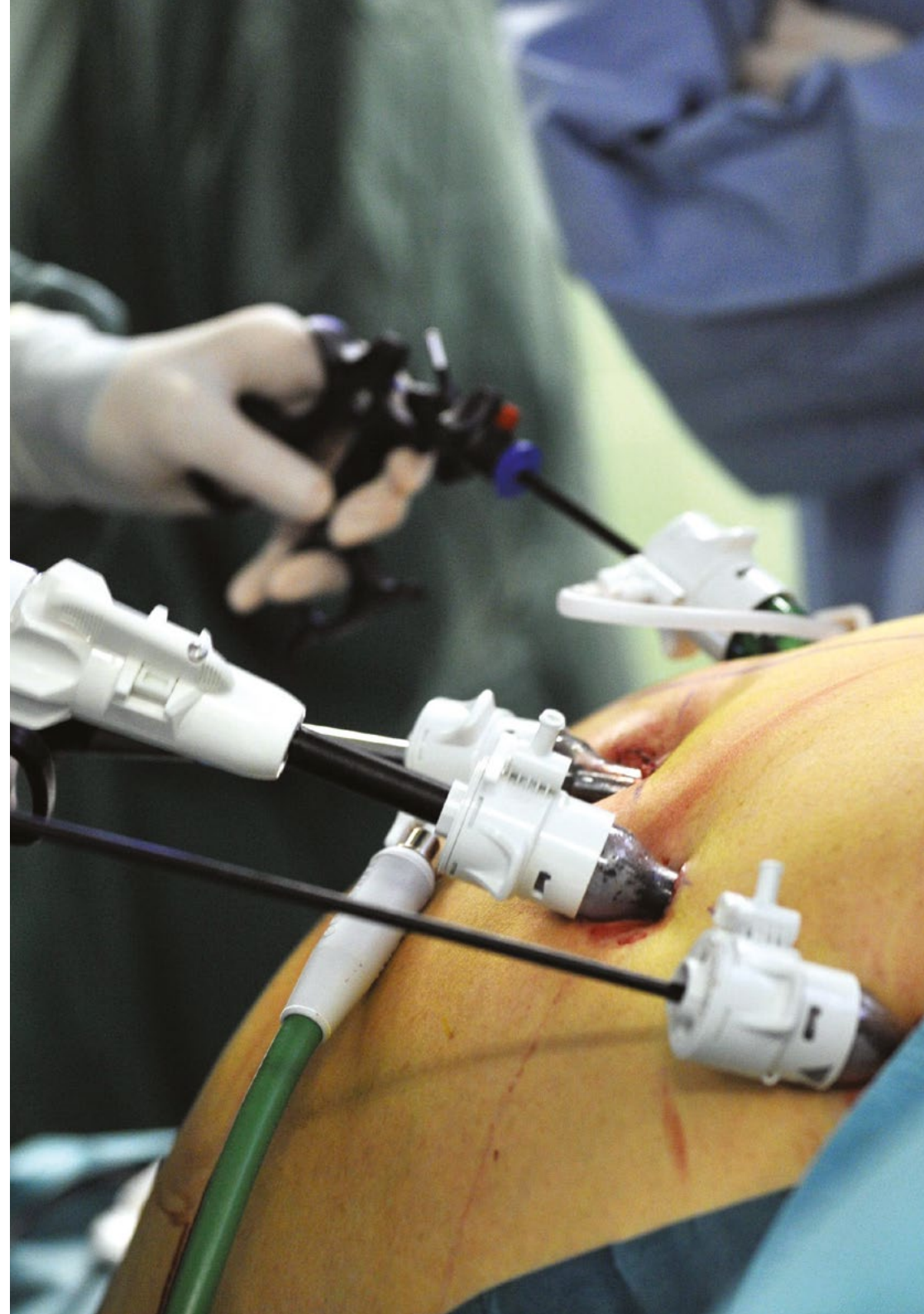
*Through this program you will be able to update your knowledge in general and digestive surgery, and you will be able to perform quality medical care, based on the latest scientific evidence"*

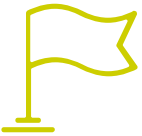


## General Skills

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- Apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the field of study
- Know how to communicate their conclusions and the knowledge and ultimate reasons that support them to specialized and non-specialized audiences in a clear and unambiguous way
- Acquire study skills that will enable further study in a largely self-directed or autonomous manner
- Develop within the profession in terms of working with other health professionals, acquiring skills to work as a team
- Develop the capacity for critical analysis and research in the field of their profession





## Specific Skills

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- ♦ Point out the indications and limitations of gastroesophageal surgical techniques and alternative treatments
- ♦ Differentiate diaphragmatic hernias from sliding hiatal hernias
- ♦ Explain the approach to benign esophagogastric tumors and patients with gastroesophageal cancer
- ♦ Explain and point out the characteristics and indications of restrictive and mixed bariatric surgery, as well as other bariatric techniques
- ♦ Develop the surgical procedure for cholestatic diseases and bile duct and gallbladder tumors
- ♦ Identify the applications of interventional radiology in liver lesions
- ♦ Select liver transplant candidates and describe the surgical basis of transplantation and the usefulness of immunosuppressive drugs
- ♦ Define the surgical principles in the management of pancreatic, neuroendocrine, and cystic tumors of the pancreas
- ♦ Establish the differences in the approach to acute and chronic pancreatitis
- ♦ Describe the role of medical and radiation oncology in colon cancer
- ♦ Explain the different surgical techniques for anal surgery
- ♦ Master the surgical bases in the management of Crohn's disease and ulcerative colitis
- ♦ Define the general surgical procedures and techniques applied to patients in digestive emergencies
- ♦ Manage innovations in the field of general and digestive surgery and the role of Information and Communication Technologies applied to surgery



*This Hybrid Professional Master's Degree will allow you to master new surgical procedures applied to patients in digestive emergencies"*

# 05

# Course Management

In TECH's untiring commitment to preserve the excellent educational quality of its programs, this qualification is managed and taught by specialists actively working in the world of general and digestive surgery. These experts are responsible for developing the teaching content to which students will have access during the duration of this Hybrid Professional Master's Degree. Therefore, the knowledge they will provide you with will be fully applicable in your professional life.





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*This program is taught by specialists with extensive experience in the field of general and digestive surgery”*

## Management



### Dr. Díaz Domínguez, Joaquín

In Memoriam "Dr. Joaquín Díaz Domínguez was at the head of this program in its numerous editions, leading the teaching team, collaborating intensively, and going out of his way to continue spreading his knowledge of Medicine and Surgery to everyone that has had the opportunity to participate in this program.

From TECH University we want to pay a heartfelt tribute full of affection and gratitude for his dedication and commitment during these years, always lending himself to others and sharing his experience unconditionally to contribute to continue saving lives and caring for people who have needed it most.

Thank you very much, Joaquín."



### Dr. Pascual Migueláñez, Isabel

- ♦ Doctor in General and Digestive System Surgery at La Paz University Hospital. Madrid
- ♦ Doctor at the Colorectal Surgery Unit of La Paz University Hospital. Madrid
- ♦ Medical Specialist in the Fields of General and Digestive System Surgery at the University Hospital Infanta Sofía University. San Sebastián de los Reyes, Madrid
- ♦ Doctor in the Hepatobiliary / Pancreas Surgery Unit, Infanta Sofía University Hospital. San Sebastián de los Reyes, Madrid
- ♦ Surgeon Association of Madrid. Spain
- ♦ Degree in Medicine from the Autonomous University Madrid
- ♦ PhD from the Autonomous University of Madrid





### **Dr. Trébol López, Jacobo**

- ♦ Doctor Specialist in General and Digestive Surgery at La Paz University Hospital
- ♦ Specialist in General and Digestive Surgery at the University Hospital Complex of Salamanca
- ♦ Specialist in General and Digestive Surgery at the Ávila Health Care Complex
- ♦ Researcher of the CANC-06 Group (Surgery and Cancer) of the Cancer Area of the Institute of Biomedical Research of Salamanca
- ♦ PhD in Surgery, Autonomous University of Madrid
- ♦ Master's Degree in Update on General and Digestive System Surgery at the University CEU Cardenal Herrera
- ♦ Higher Diploma of Specialization in Ultrasound for Surgeons by the University of Zaragoza
- ♦ European Diploma in Hepatic Pancreatic and Biliary Cancers: Oncosurgical Strategies by the University of Paris South



### **Dr. Álvarez Gallego, Mario**

- ♦ Doctor Surgeon in General and Digestive Surgery at La Paz University Hospital. Madrid
- ♦ Degree in Medicine and Surgery from the University of Alcalá de Henares
- ♦ Diploma of Advanced Studies (DAS): "Use of mesenchymal stem cells to prevent the formation of intra-abdominal adhesions" at the Autonomous University of Madrid. Surgery Department
- ♦ Specialist in General and Digestive System Surgery, Colorectal Surgery Unit, University Hospital Infanta Sofía
- ♦ Medical Specialist in General and Digestive System Surgery at the University Hospital Infanta Cristina Parla, Madrid
- ♦ Specialist in General and Digestive System Surgery, Colorectal Surgery Unit, University La Paz Hospital. Madrid

## Professors

### Dr. Aguilera Bazán, Alfredo

- ♦ Doctor of Urology at La Paz University Hospital Madrid, Spain
- ♦ Attending Physician at La Paz University Hospital
- ♦ Physician on the Surgery Service, Medical and Social Sciences at the University of Alcalá, Spain.
- ♦ Medical Urologist at the Autonomous University of Madrid. Spain
- ♦ Co-author of several scientific articles in the Spanish Archives of Urology: Analysis of renal tumor size as a predictive factor of oncologic aggressiveness, Urinary biomarkers in the diagnosis of prostate cancer, Laser in prostate cancer. Applications

### Ms. Álvarez Peña, Estíbaliz

- ♦ Attending Physician of the General and Digestive System Surgery Service at the Nuestra Señora de América Hospital Vithas.
- ♦ Attending Physician in the Esophagogastric and Complex Abdominal Wall Surgery Unit at La Paz University Hospital
- ♦ Specialist in the Unit of General Surgery and Digestive System at La Luz Hospital
- ♦ RMI Specialty: General and Digestive System Surgery at La Paz University Hospital
- ♦ Advanced Laparoscopy Course: Intracorporeal Anastomosis at the Marqués de Valdecilla University Hospital
- ♦ Degree in Medicine from the University of the Basque Country
- ♦ Member of: Spanish Association of Surgeons and Spanish American Hernia Society (SOHAH)

### Dr. Alkorta Zuloaga, Maialen

- ♦ Doctor in General and Digestive Surgery Department at Donostia University Hospital
- ♦ Attending Physician, Donostia University Hospital
- ♦ Specialist in the Hepatobiliary/Pancreas Department ion the Donostia University Hospital
- ♦ Surgery, Radiology and Physical Medicine Unit at the University of the Basque Country.

### Dr. Ayuela García, Susana

- ♦ Specialist in General and Digestive System Surgery Hepatobiliopancreatic . La Paz University Hospital, Madrid
- ♦ Assistant Physician of General Surgery, Coloproctology Unit. La Paz University Hospital
- ♦ Responsible for Patient Safety in the General Surgery Department. La Paz University Hospital
- ♦ Degree in Medicine and Surgery. Autonomous University of Madrid
- ♦ Master's Degree in Valuation of Body Damage. Complutense University of Madrid
- ♦ Member of the Multidisciplinary Committee on Neuroendocrine Tumors La Paz University Hospital

### Dr. Chaparro Cabeza, María Dolores

- ♦ Head of the Department of General Surgery and Digestive System at Puerta de Hierro University Hospital
- ♦ Doctor at the General Surgery and Digestive System Service at the Puerta de Hierro University Hospital Madrid
- ♦ Attending Physician at the Puerta de Hierro University Hospital. Majadahonda, Madrid
- ♦ Participation in the XXII National Meeting of Surgery Congress. Spain

**Dr. Borda Arrizabalaga, Nerea**

- ♦ Attending Physician in General Surgery in Osakidetza
- ♦ Physician in the Departments of Surgery, Radiology and Physical Medicine in Osakidetza
- ♦ Winner of the award for the thesis "Long-term prognosis of patients with ischemic colitis" by the Foundation of the Medical Association of Gipuzkoa
- ♦ Prize for the best scientific article in a medical journal awarded by the Foundation of the College of Physicians of Gipuzkoa
- ♦ Doctor belonging to the Faculty of Medicine and Nursing at the University of the Basque Country

**Dr. Burgos García, Aurora**

- ♦ Head of the Section of the Digestive Endoscopy Unit at the La Paz University Hospital, Madrid
- ♦ Digestive System Medical Specialist at the La Paz University Hospital, Madrid
- ♦ Clinical Professor Collaborator at the Autonomous University of Madrid
- ♦ Degree in Medicine and Surgery from the University of Extremadura
- ♦ Expert in Emergency and Emergencies in Gastroenterology and Hepatology by the Distance University of Madrid
- ♦ Internship at Keio University Hospital of Tokyo, Japan

**Dr. Díaz Roldán, Jorge**

- ♦ Medical Specialist in General and Digestive System Surgery
- ♦ Medical Specialist in the University Health Care Complex of Salamanca
- ♦ Physician at the University Hospital Nuestra Señora de Valme
- ♦ Member of the Spanish Association of Breast Surgeons and Spanish Association of Surgeons

**Dr. Fernández Sánchez, Rocío**

- ♦ Doctor at the General Surgery and Digestive System Service at Infanta Sofía University Hospital San Sebastián de los Reyes, Madrid
- ♦ Heptobiliary Surgeon in SERMAS
- ♦ Specialist in General and Digestive Surgery at La Paz University Hospital
- ♦ Member of the NGO, Surgeons in Action
- ♦ Degree in Medicine from the Complutense University of Madrid

**Ms. Eguía Larrea, Marta**

- ♦ Head of the Breast Surgery Unit at the University Hospital of Salamanca
- ♦ Attending Physician at the General Surgery and Digestive System Service at the University Hospital of Salamanca
- ♦ Physician in the General Surgery Service at the University Assistance Complex of Salamanca (CAUSA)
- ♦ Member of the Surgery and Cancer research group at the University of Salamanca
- ♦ Member of the Spanish Association against Cancer in Castilla y León
- ♦ Speaker at the II Congress of People with Cancer and their relatives

**Dr. Custodio Carretero, Ana Belén**

- ♦ Physician in the Department of Medical Oncology at the Research Institute of Hospital university La Paz, IdiPAZ
- ♦ Researcher in Neuroendocrine Tumors
- ♦ Advanced Studies Diploma from the Complutense University of Madrid
- ♦ Bachelor in Medicine and Surgery from the Complutense University of Madrid
- ♦ Member of the Board of Directors of the Spanish Group of Neuroendocrine and Endocrine Tumors (GETNE)

**Dr. Belinchón Olmeda, Belén**

- ♦ Attending physician of the Radiotherapy Oncology Department. Ruber International Hospital
- ♦ Resident Medical Intern in the field of Radiation Oncology. Puerto de Hierro University Hospital Majadahonda
- ♦ Degree in Medicine and Surgery. Alcalá de Henares University
- ♦ Diploma of Advanced Studies. Autonomous University of Madrid
- ♦ Attending physician of the Radiotherapy Oncology Department. La Paz University Hospital
- ♦ Author of various articles in high impact scientific journals and frequent collaborator in chapters of books and presentations at congresses
- ♦ Member of the Sarcomas and Soft Tissue Tumors Group, Spanish Breast Radiation Oncology (GEORM), Brachytherapy and Digestive Tumors (GEORGI ) and the Spanish Society of Radiation Oncology (SEOR)

**Dr. Castell Gómez, José Tomás**

- ♦ Associate Head of the General Surgery Service at La Luz Hospital, Quironsalud
- ♦ Associate Surgeon of the General Surgery Service at La Paz Hospital, Hepatobiliopancreatic Surgery Unit
- ♦ Specialist , via RMI, in "General and Digestive System Surgery" at La Princesa University Hospital.(Madrid)
- ♦ Specialization in Oncological and Laparoscopic Surgery of the Liver, Pancreas, Biliary Tract and Digestive System (Colon and Rectum).
- ♦ Member of the Spanish Association of Surgery, Spanish Society of Surgical Oncology and European Society for Medical Oncology

**Dr. Cuadrado García, Ángel**

- ♦ Medical Specialist in the Field of General and Digestive System Surgery at the Infanta Sofia University Hospital
- ♦ Specialist in the area of General Surgery and Digestive System at the Infanta Sofia University Hospital
- ♦ Coordinator of Experimental Operating Room at the Hospital Son Llátzer
- ♦ Research Coordinator at the Hospital Son Llátzer
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**Dr. Del Castillo Díez, Federico**

- ♦ Attending Physician in General Surgery and Digestive System at the University Hospital Vithas Madrid La Milagrosa
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- ♦ Fellowship in Laparoscopic Esophagogastroduodenal and Obesity Surgery from the Centre Hospitalier de Luxembourg
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**Dr. Feltes Ochoa, Rosa**

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- ♦ Direction and Management of Clinical Units
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- ♦ Doctor of Medicine from the Catholic Pontificia University of Ecuador

**Dr. Fernández Luengas, David**

- ♦ Head of the General and Digestive System Surgery Department at Quirónsalud University Hospital. Madrid
- ♦ Associate Head of the General and Digestive System Surgery Department at Quirónsalud University Hospital. Madrid
- ♦ General and Digestive System Surgery and Hepatobiliopancreatic Department at La Paz University Hospital
- ♦ Coordinator of the Hepatobiliary / Pancreas Surgery Department, Infanta Sofía University Hospital
- ♦ Associate Head of the General and Digestive System Surgery Department at the Sanitas La Moraleja Hospital
- ♦ Member of the Surgery Department of the ICE Hospital
- ♦ European Diploma in Hepatobiliopancreatic Oncologic Surgery at the University of Paris South
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid

**Dr. Herrera Sampablo, Ana**

- ♦ General Surgeon at La Paz Hospital
- ♦ Life Support Instructor at La Paz Hospital
- ♦ General Surgeon at Can Misses Hospital
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- ♦ Internal Medical Resident of the Anatomic Pathology of the Hematopathology Unit at the Del Mar Hospital, Parc de Salut Mar.
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid

#### **Dr. Noguera Aguilar, José Francisco**

- ♦ Head of the General and Digestive System Surgery Department at the University Hospital Complex of A Coruña
- ♦ Attending Physician in the University Hospital Complex of A Coruña
- ♦ Attending Physician at the General Surgery and Digestive System Service at the Son Llátzer Hospital

#### **Dr. González Sánchez, Juan Antonio**

- ♦ Head of the General and Digestive System Surgery Section Department. Hsp. La Paz University Hospital Madrid





**Dr. York Pineda, Elisa**

- ◆ Doctor of General Surgery and Digestive System at La Paz University Hospital. Madrid
- ◆ Attending Physician at the Jiménez Díaz Foundation. Madrid
- ◆ Attending Physician at the Autonomous University of Madrid
- ◆ Attending Physician at Salus Madrid, Medical Specialties Center
- ◆ Member of the International Federation for Surgery of Obesity and Metabolic Disorders. Madrid, Spain

**Dr. Cristóbal Poch, Lidia**

- ◆ Specialist in General Surgery at La Paz University Hospital
- ◆ Polytrauma Physician at Del Valle Hospital. Colombia
- ◆ Esophagogastric surgery at the Newcastle Upon Tyne Victoria Hospital England
- ◆ Hepatic and Pancreatic Transplant Physician at the Reina Sofia University Hospital Cordoba
- ◆ Advanced Laparoscopic Surgery Physician at Son Llàtzer University Hospital Palma de Mallorca, Spain
- ◆ Degree in Medicine from the Complutense University of Madrid

**Dr. Pueyo Rabanal, Alberto**

- ◆ Specialist in the area of General Surgery and Digestive System at Puerta de Hierro University Hospital Majadahonda
- ◆ Attending Physician in the General and Digestive Surgery Unit at the Henares University Hospital
- ◆ Doctorate in Medicine from the University of Alcalá.
- ◆ Degree in Medicine and Surgery from the University of Zaragoza.

06

# Structure and Content

The syllabus of this educational program is made up of 15 modules through which students will assimilate the latest updates and innovative advances in general and digestive surgery. The teaching materials to which they will have access are present in a wide variety of textual and interactive formats such as video or readings. Thanks to this, the student will obtain a teaching adapted to their personal requirements and concerns.





“

*Thanks to this program, you will obtain the most innovative knowledge and with the greatest work applicability in this branch of medicine"*

### Module 1. Oesophagogastric Surgery

- 1.1. Achalasia and Other Esophageal Motility Disorders
- 1.2. Hiatal Hernia and GORD. Barret's Oesophagus
- 1.3. Oesophageal Diverticula
- 1.4. Non-Hiatal Diaphragmatic Hernias
- 1.5. Benign Oesophageal and Gastric Tumours
- 1.6. Principles in Surgical Oncology
- 1.7. Malignant Esophageal Tumors
- 1.8. Gastric Cancer Gastrectomy: Sequelae and Complications
- 1.9. Medical and Radiation Oncology in Tumours Oesophagogastric

### Module 2. Bariatric Surgery

- 2.1. Principles of Bariatric Surgery
- 2.2. Restrictive Surgery: Gastric Sleeve
- 2.3. Mixed Surgery (Restrictive-Malabsorptive): Gastric Bypass
- 2.4. Other Bariatric Techniques

### Module 3. Bile Duct Surgery

- 3.1. Colelitis
- 3.2. Coledocolitis
- 3.3. Cysts and Primary Sclerosing Cholangitis
- 3.4. Gallbladder Tumors
- 3.5. Bile Duct Tumors

### Module 4. Liver Surgery

- 4.1. Hepatocellular Carcinoma
- 4.2. Benign Liver Tumors
- 4.3. Other Malignant Liver Tumors
- 4.4. Interventional Radiology in Hepatic Lesions
- 4.5. Treatment of Liver Metastases of Colorectal and Non-Colorectal Origin
- 4.6. Medical Oncology in Liver Metastases
- 4.7. Liver Transplant
- 4.8. Liver Cysts and Abscesses

### Module 5. Pancreatic and Spleen Surgery

- 5.1. Acute Pancreatitis
- 5.2. Chronic Pancreatitis
- 5.3. Head Tumors and Ampullomas
- 5.4. Pancreatic Body and Tail Tumors
- 5.5. Anatomopathologic Considerations in Pancreatic Cancer
- 5.6. Neuroendocrine Tumors
- 5.7. Pancreatic Cystic Tumors
- 5.8. Pancreas, Intestinal and Multivisceral Transplant
- 5.9. Benign and Malignant Pathology and Surgery of the Spleen

### Module 6. Colon Surgery

- 6.1. Principles of Colon Cancer Surgery
- 6.2. Right Hemicolectomy
- 6.3. Left Colon Cancer
- 6.4. Transverse Colon Cancer
- 6.5. Medical and Radiotherapy Oncology in Colon Cancer

### Module 7. Rectal Surgery

- 7.1. Principles of Rectal Cancer Surgery
- 7.2. Abdominal Approach to Rectal Cancer Surgery
- 7.3. Transanal Approach to Rectal Cancer Surgery
- 7.4. Combined Approach to Rectal Cancer Surgery
- 7.5. Comprehensive Oncologic Treatment for Rectal Cancer
- 7.6. Anatomopathological Considerations in Rectal Cancer
- 7.7. Rectal Prolapse and Rectocele
- 7.8. Deep Pelvic Endometriosis

## Module 8. Anal Surgery

- 8.1. Anal Fissure
- 8.2. Anal Fistula and Abscess
- 8.3. Anal HPV: Anal Intraepithelial Neoplasia and Epidermoid Carcinoma
- 8.4. Anal Cancer
- 8.5. Hemorrhoids
- 8.6. Anal Incontinence
- 8.7. Pilonidal Sinus and Hidrosadenitis Suppurativa

## Module 9. Inflammatory Bowel Disease

- 9.1. Principles of Inflammatory Bowel Disease
- 9.2. Crohn's Disease Surgery
- 9.3. Perianal Crohn's Disease
- 9.4. Ulcerative Colitis Surgery

## Module 10. Endocrine Surgery

- 10.1. Thyroid Nodule and Multinodular Goiter
- 10.2. Hyperthyroidism
- 10.3. Thyroid Cancer
- 10.4. Primary Hyperparathyroidism
- 10.5. Secondary and Tertiary Hyperparathyroidism
- 10.6. Adrenal Gland Surgery

## Module 11. Abdominal Wall Surgery

- 11.1. Laparotomies and Closure Midline and Lateral Hernias
- 11.2. Inguinocrural Hernias
- 11.3. Eventrations. Eventration Prophylaxis
- 11.4. Management of Open Abdomen and Evisceration

## Module 12. Breast Surgery

- 12.1. Diagnostic Methods. Breast Pathology Screening
- 12.2. Benign Breast Pathology
- 12.3. Principles of Breast Cancer
- 12.4. Breast Surgery

## Module 13. Peritoneal Carcinomatosis

- 13.1. Multimodal Treatment of Peritoneal Carcinomatosis

## Module 14. Digestive Surgery Emergencies

- 14.1. Upper Gastrointestinal Bleeding
- 14.2. Acute Cholecystitis
- 14.3. Acute Cholangitis
- 14.4. Acute Appendicitis
- 14.5. Acute Diverticulitis
- 14.6. Lower Gastrointestinal Bleeding
- 14.7. Acute Mesenteric Ischemia
- 14.8. Intestinal Obstruction

## Module 15. Surgical Innovation

- 15.1. Introduction to Surgical Innovation
- 15.2. Innovation in Surgical Learning
- 15.3. ICT
- 15.4. Innovation in Surgical Devices
- 15.5. Innovation in NOTES Surgery
- 15.6. Robotic Surgery
- 15.7. Financing, Protection, and Transfer of Innovation in Surgery

07

# Clinical Internship

After passing the online learning period, the program includes a Internship Program period in a reference clinical center. The student will have at their disposal the support of a tutor who will accompany them during the whole process, both in the preparation and in the development of the clinical practice.



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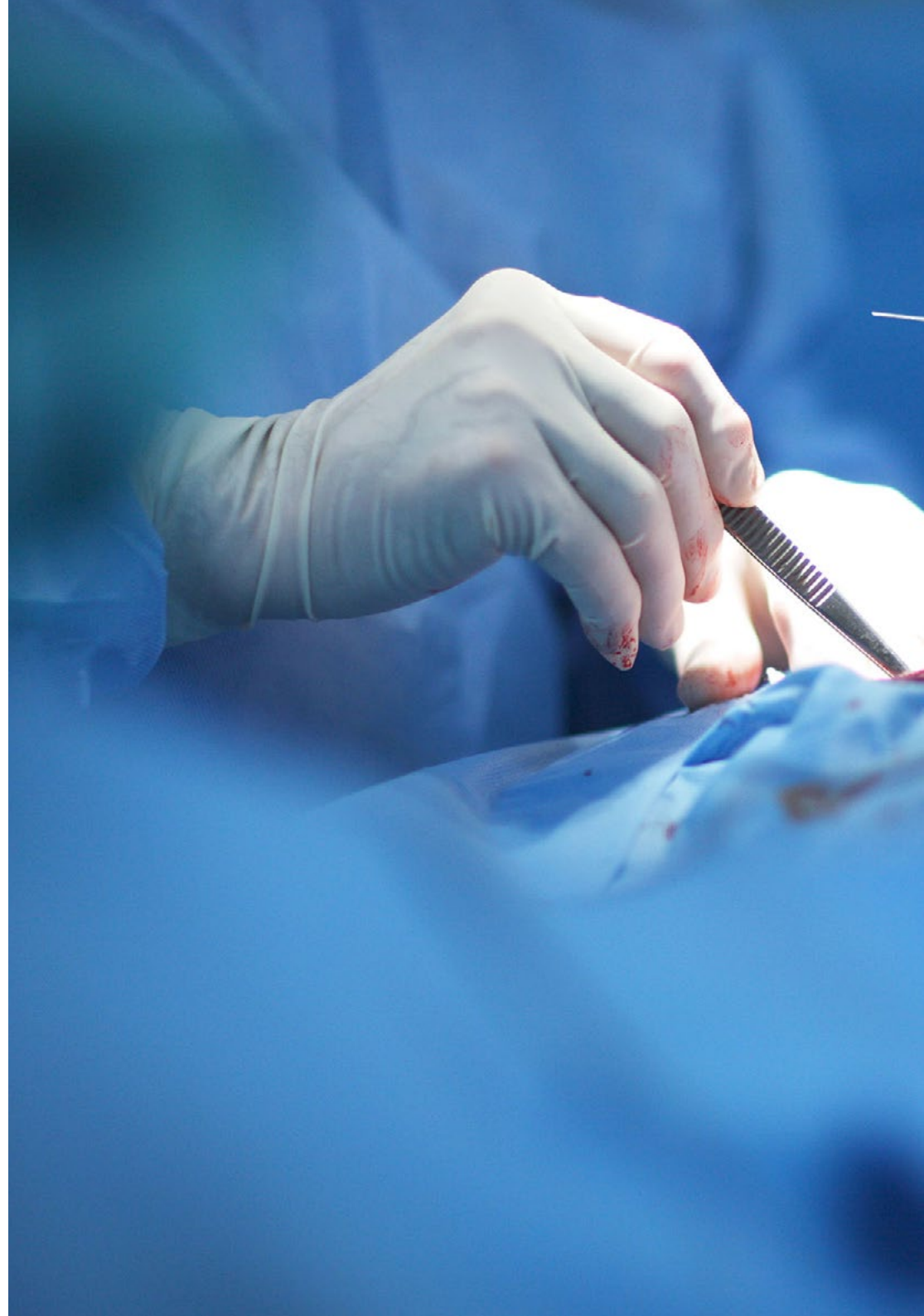
*Do your clinical internship in a highly prestigious center, at the forefront of general and digestive surgery”*

This Internship Program consists of a 3-week period, from Monday to Friday, with 8 consecutive hours of work with an attending specialist. This internship will allow the professional to deal with real patients integrated in a team of reference professionals in the surgical area, applying the most innovative diagnostic procedures and planning the latest generation surgery in each pathology.

In this internship proposal, completely practical in nature, the activities are aimed at developing and perfecting the skills necessary for the provision of healthcare in areas and conditions that require a high level of qualification, and which are oriented to the specific training for the exercise of the activity, in a safe environment for the patient and a high professional performance.

It is undoubtedly an opportunity to learn by working in the innovative hospital of the future where the application of up-to-date diagnostic and surgical techniques is the basis for guaranteeing the well-being of patients. This is a new way of understanding and integrating health processes, being the ideal teaching scenario for this innovative experience in the improvement of the physicians professional competencies of the 21st century.

The practical teaching will be carried out with the accompaniment and guidance of the professors and other fellow trainees who will facilitate teamwork and multidisciplinary integration as transversal competencies for medical practice (learning to be and learning to relate).





The procedures described below will be the basis of the specialization, and their realization will be subject to the center's own availability, its usual activity and workload, the proposed activities being the following:

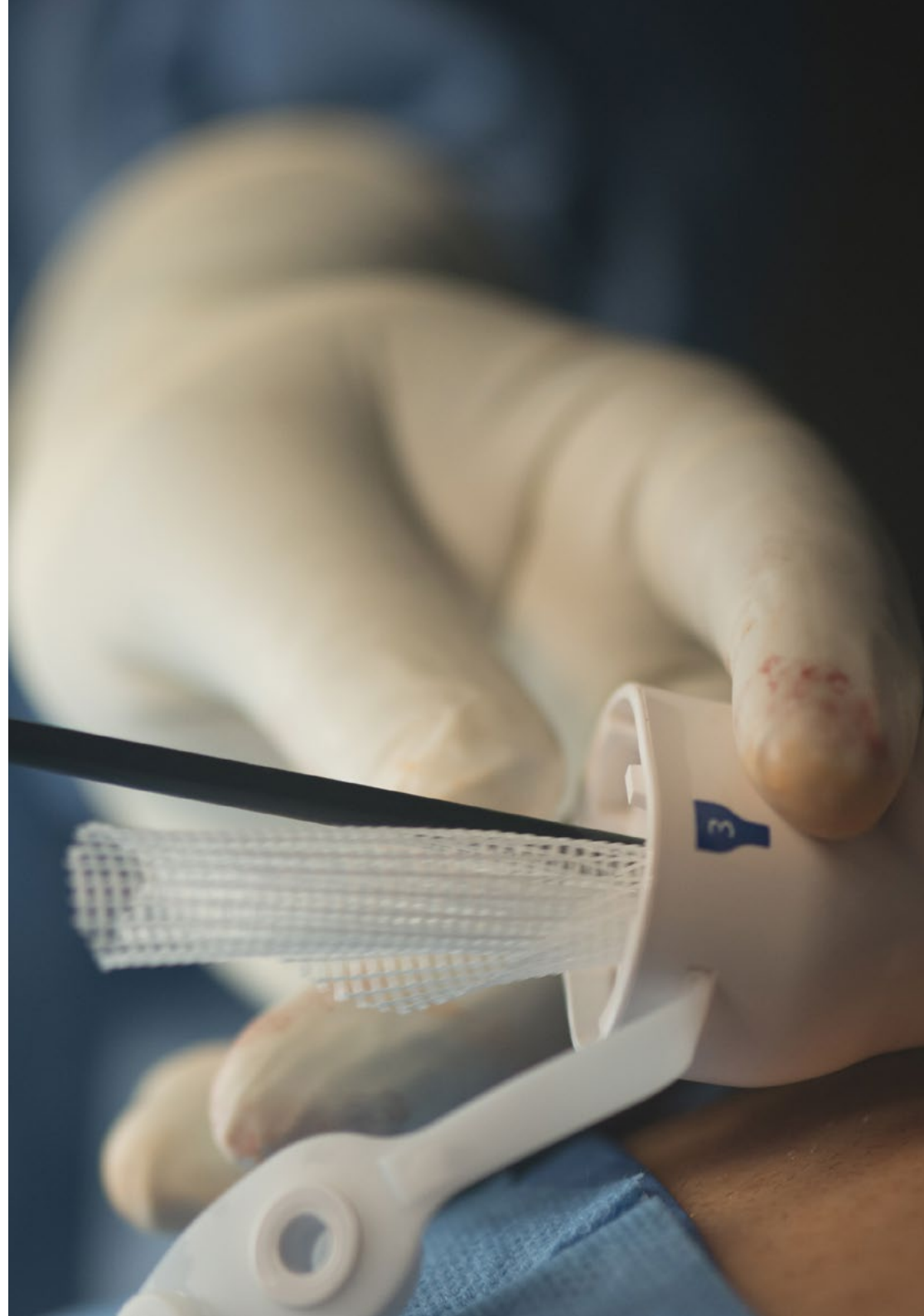
Module	Practical Activity
<b>Advanced techniques in esophagogastric and bariatric surgery</b>	Surgical intervention of achalasia, diverticula and hiatal hernia
	Apply the most advanced techniques in the surgery of esophageal and stomach tumors
	Perform oncologic laser surgery in the esophagogastric area
	Perform the gastric sleeve method in restrictive bariatric surgery
	Perform mixed surgery (restrictive-malabsorptive) by applying gastric bypass
<b>Hepatic, pancreatic, spleen and biliary surgery procedures</b>	Apply the most advanced methods of interventional radiology in liver lesions
	Surgical intervention of benign and malignant tumors of the liver and pancreas, and removal of cysts and abscesses in the liver area.
	Apply specific surgery in acute pancreatitis
	Participate in the performance, applying the most up-to-date protocols, of pancreatic and intestinal and multivisceral transplantation
	Perform cholecystitis and choledocholithiasis surgery
	Perform biliary tract tumor surgery
<b>Techniques in surgery of the colon, rectum, anus and approach to inflammatory bowel disease</b>	Approach colon cancer surgery in different locations
	Intervene rectal cancer through the abdominal approach
	Assess and indicate rectal surgery by transanal approach
	Surgical management of rectal prolapse and rectocele
<b>Digestive, endocrine and abdominal wall surgical intervention methods</b>	Perform endoscopy procedure in upper and lower gastrointestinal bleeding
	Surgical intervention in intestinal obstruction
	Approach mesenteric thrombosis surgery
	Operate the thyroid with endocrine pathologies
	Apply the technique of laparotomy and its closure
	Manage open abdomen and evisceration in abdominal wall surgery

## Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the Internship Program period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.



## General Conditions of the Internship Program

The general terms and conditions of the internship agreement for the program are as follows:

**1. TUTOR:** During the Hybrid Professional Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

**2. DURATION:** The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

**3. ABSENCE:** If the student does not show up on the start date of the Hybrid Professional Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

**4. CERTIFICATION:** Professionals who pass the Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.

**5. EMPLOYMENT RELATIONSHIP:** The Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.

**6. PRIOR EDUCATION:** Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

**7. DOES NOT INCLUDE:** The Hybrid Professional Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed.

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

# 08

## Where Can I Do the Clinical Internship?

In order to guarantee an excellent updating process, TECH proposes the realization of this internship program in a prestigious center that can provide the physician with the latest advances in the field of general surgery and digestive system. This is a very complex and broad field, so it requires an update by the specialist, and the role of the hospital institutions proposed here is vital in this process, as they will offer the most advanced knowledge in the specialty.





“

*The most advanced knowledge in the field of general and digestive surgery awaits you in this Internship Program”*



The student will be able to complete the practical part of this Hybrid Professional Master's Degree at the following centers:



Medicine

### Hospital Recoletas Campo Grande

Country	City
Spain	Valladolid

Address: Pl. de Colón, s/n, 47007 Valladolid

Clinical center specialized in multidisciplinary healthcare

**Related internship programs:**

- Intensive Care Nursing
- Gynecologic Oncology



Medicine

### Hospital HM Modelo

Country	City
Spain	La Coruña

Address: Rúa Virrey Osorio, 30, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Spine Surgery



Medicine

### Hospital Maternidad HM Belén

Country	City
Spain	La Coruña

Address: R. Filantropía, 3, 15011, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Update in Assisted Reproduction
- Hospitals and Health Services Management



Medicine

### Hospital HM Rosaleda

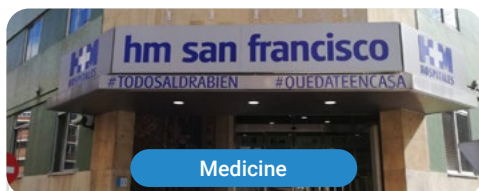
Country	City
Spain	La Coruña

Address: Rúa de Santiago León de Caracas, 1, 15701, Santiago de Compostela, A Coruña

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Hair Transplantation
- Orthodontics and Dentofacial Orthopedics



Medicine

### Hospital HM San Francisco

Country	City
Spain	León

Address: C. Marqueses de San Isidro, 11, 24004, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Nursing in the Traumatology Department



Medicine

### Hospital HM Regla

Country	City
Spain	León

Address: Calle Cardenal Landázuri, 2, 24003, León

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Psychiatric Treatments Update in Minor Patients



Medicine

### Hospital HM Nou Delfos

Country	City
Spain	Barcelona

Address: Avinguda de Vallcarca, 151, 08023, Barcelona

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Aesthetic Medicine
- Clinical Nutrition in Medicine



Medicine

### Hospital HM Madrid

Country	City
Spain	Madrid

Address: Pl. del Conde del Valle de Súchil, 16, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Clinical Analysis
- Anaesthesiology and Resuscitation



Medicine

### Hospital HM Montepríncipe

Country: Spain  
City: Madrid

Address: Av. de Montepríncipe, 25, 28660, Boadilla del Monte, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Child Orthopedics
- Aesthetic Medicine



Medicine

### Hospital HM Torrelodones

Country: Spain  
City: Madrid

Address: Av. Castillo Olivares, s/n, 28250, Torrelodones, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Hospital Pediatrics



Medicine

### Hospital HM Sanchinarro

Country: Spain  
City: Madrid

Address: Calle de Oña, 10, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Sleep Medicine



Medicine

### Hospital HM Nuevo Belén

Country: Spain  
City: Madrid

Address: Calle José Silva, 7, 28043, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- General and Digestive System Surgery
- Clinical Nutrition in Medicine



Medicine

### Hospital HM Puerta del Sur

Country: Spain  
City: Madrid

Address: Av. Carlos V, 70, 28938, Móstoles, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Pediatric Emergencies
- Clinical Ophthalmology



Medicine

### Hospital HM Vallés

Country: Spain  
City: Madrid

Address: Calle Santiago, 14, 28801, Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Gynecologic Oncology
- Clinical Ophthalmology



Medicine

### Policlínico HM Arapiles

Country: Spain  
City: Madrid

Address: C. de Arapiles, 8, 28015, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Anaesthesiology and Resuscitation
- Pediatric Dentistry



Medicine

### Policlínico HM Cruz Verde

Country: Spain  
City: Madrid

Address: Plaza de la Cruz Verde, 1-3, 28807, Alcalá de Henares, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Advanced Clinical Podiatry
- Optical Technologies and Clinical Optometry



Medicine

### Policlínico HM Distrito Telefónica

Country	City
Spain	Madrid

Address: Ronda de la Comunicación, 28050, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Optical Technologies and Clinical Optometry
- General and Digestive System Surgery



Medicine

### Policlínico HM Gabinete Velázquez

Country	City
Spain	Madrid

Address: C. de Jorge Juan, 19, 1° 28001, 28001, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Clinical Nutrition in Medicine
- Aesthetic Plastic Surgery



Medicine

### Policlínico HM La Paloma

Country	City
Spain	Madrid

Address: Calle Hilados, 9, 28850, Torrejón de Ardoz, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Advanced Operating Room Nursing
- Orthodontics and Dentofacial Orthopedics



Medicine

### Policlínico HM Moraleja

Country	City
Spain	Madrid

Address: P.º de Alcobendas, 10, 28109, Alcobendas, Madrid

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Rehabilitation Medicine in Acquired Brain Injury Management



Medicine

### Policlínico HM Rosaleda Lalín

Country	City
Spain	Pontevedra

Address: Av. Buenos Aires, 102, 36500, Lalín, Pontevedra

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Advances in Hematology and Hemotherapy
- Neurological Physiotherapy



Medicine

### Policlínico HM Imi Toledo

Country	City
Spain	Toledo

Address: Av. de Irlanda, 21, 45005, Toledo

Network of private clinics, hospitals and specialized centers distributed throughout Spain.

**Related internship programs:**

- Electrotherapy in Rehabilitation Medicine
- Hair Transplantation





### Sanatorio Central Banda

Country City  
Argentina Santiago del Estero

Address: Amadeo Jacques N° 175 4300,  
La Banda , Santiago del Estero

Clinical center for comprehensive inpatient and  
surgical care

**Related internship programs:**

- Hepatology
- Neurology Nursing



### Sanatorio Central

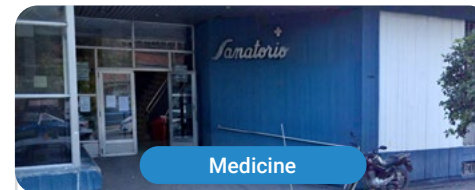
Country City  
Argentina Tucumán

Address: Av. Mitre 268, T4000  
San Miguel de Tucumán, Tucumán

Sanatorium of General Medicine,  
hospitalization, diagnosis and treatment

**Related internship programs:**

- Advanced Operating Room Nursing
- Pediatric Nursing



### Sanatorio Galeno

Country City  
Argentina Tucumán

Address: Av. Manuel Belgrano 2970,  
San Miguel de Tucumán

General medical clinic offering outpatient care,  
hospitalization and surgery

**Related internship programs:**

- Update in Anesthesiology and Resuscitation
- Update on Intensive Care Medicine



### Hospital Italiano La Plata

Country City  
Argentina Buenos Aires

Address: Av. 51 N° 1725 e/ 29 y 30 La Plata,  
Buenos Aires

Non-profit community center for specialized  
clinical assistance

**Related internship programs:**

- Hepatology
- Update on Intensive Care Medicine

09

# Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



“

*TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”*

## The student: the priority of all TECH programs

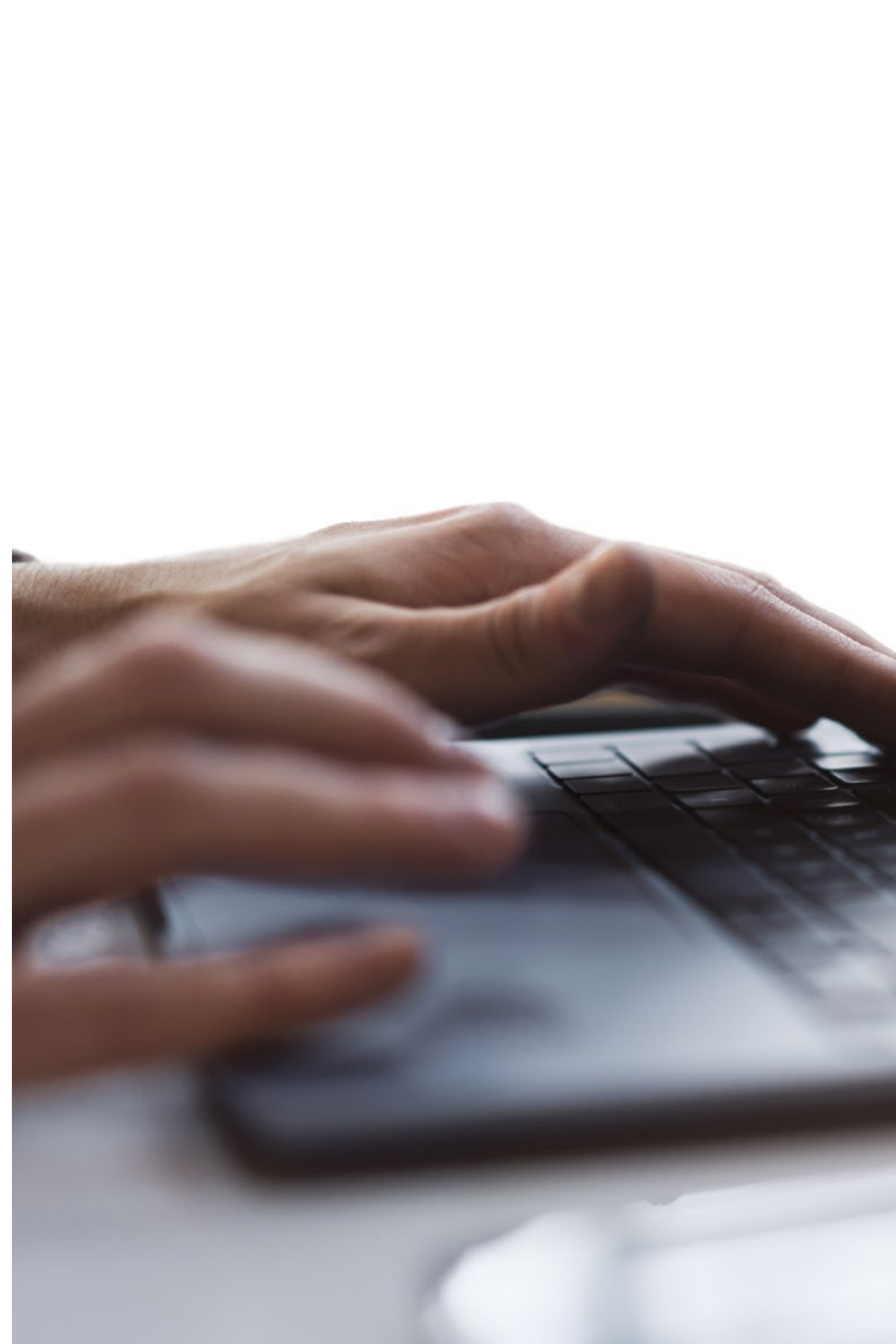
In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

“

*At TECH you will NOT have live classes  
(which you might not be able to attend)”*



### The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

“

*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”*

## Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



## Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

*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.*



## A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



*The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”*

### 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 assess 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.



## The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

The students' assessment of the quality of teaching, quality of materials, course structure and objectives is excellent. Not surprisingly, the institution became the best rated university by its students on the Trustpilot review platform, obtaining a 4.9 out of 5.

*Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.*

*You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.*



As such, the best educational materials, thoroughly prepared, will be available in this program:



#### 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.



#### Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



#### 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.

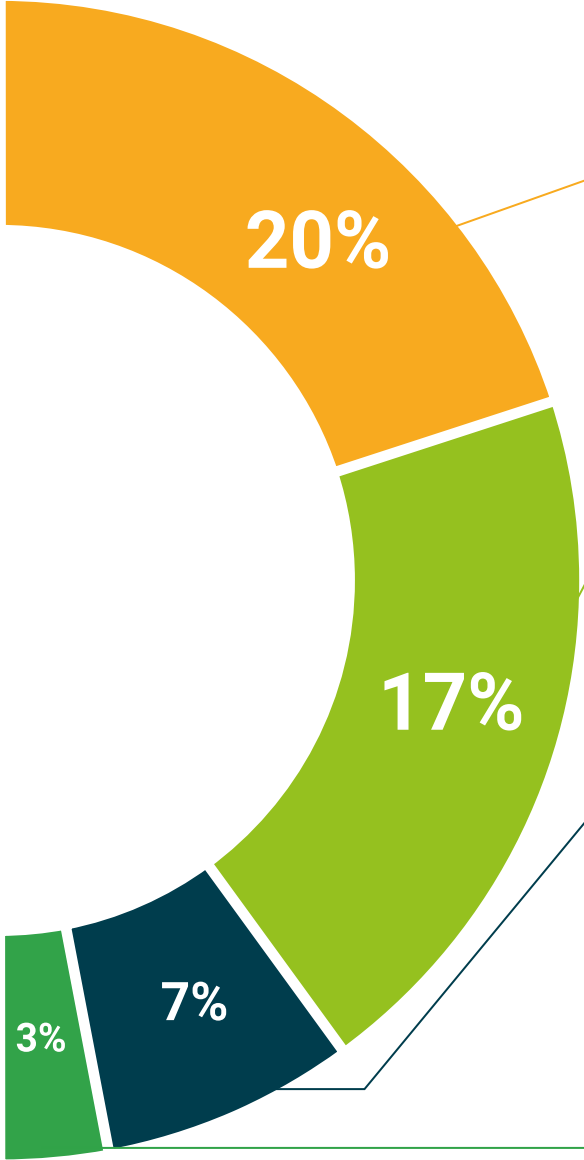
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

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





**Case Studies**

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.



**Testing & Retesting**

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.



**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 for 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.



# 10 Certificate

This Hybrid Professional Master's Degree in Update on General and Digestive Surgery guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree issued by TECH Global University.



“

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

This private qualification will allow you to obtain a **Hybrid Professional Master's Degree diploma in Update on General and Digestive Surgery** 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.

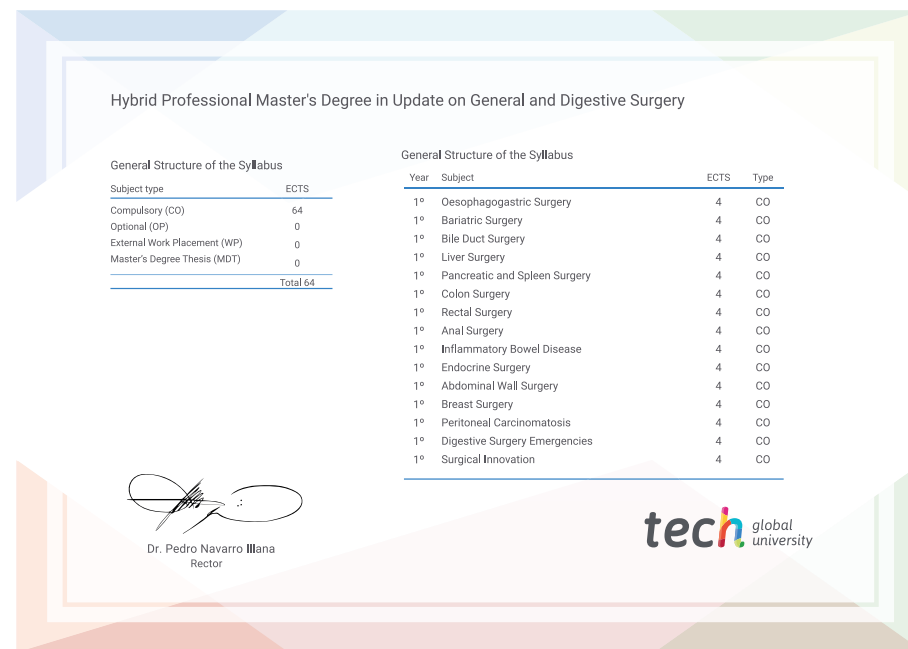
This **TECH Global University private qualification**, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Hybrid Professional Master's Degree in Update on General and Digestive Surgery**

Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months**

Accreditation: **60 + 4 ECTS**



\*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.



## Hybrid Professional Master's Degree

Update on General and Digestive Surgery

Modality: Hybrid (Online + Clinical Internship)

Duration: 12 months

Certificate: TECH Global University

Credits: 60 + 4 ECTS

# Hybrid Professional Master's Degree

Update in General and Digestive  
System Surgery

