

Master's Degree

Update on General and Digestive System Surgery



Master's Degree

Update on General and Digestive System Surgery

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Credits: 60 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techtute.com/us/medicina/master-degree/master-actualizacion-cirugia-general-aparato-digestivo

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01

Introduction

Modern surgery is advancing at an incredible pace. Techniques and procedures are constantly changing and advancing, but the speed at which these changes take place, and the amount of scientific documentation that is published weekly make it almost impossible for the surgeon to keep up to date with their daily practice. With this academic program, TECH offers surgeons the opportunity to get back to the forefront with the most advanced educational technology available today, capable of adapting the process to the specialist's needs with a high degree of versatility.



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Scientific advances are constantly improving the quality of surgical practice. Therefore, keeping up to date is key to providing better care to your patients”

In recent years, General and Digestive System Surgery has experienced remarkable developments that are largely the result of overcoming increasingly complex challenges associated with surgical practice, especially in the areas of solid organ transplantation, oncological surgery, emergency surgery, telesurgery, and robotic surgery. In these fields, technological and computer innovations, the use of biomaterials, and techniques such as radiodiagnosis, have completely changed the landscape.

In this sense, new developments in the surgical field oblige specialists to update their knowledge, to study the available evidence, and to develop new skills that allow them to keep up with technological and scientific advances that subsequently improve the health of patients.

Therefore, this Master's Degree in Update in General and Digestive System Surgery allows specialists to access this knowledge simply, while adapting the process preparation to their personal and professional needs.

This **Master's Degree in Update on General and Digestive System Surgery** contains the most complete and up-to-date scientific program on the market.

It's most outstanding features are:

- ♦ Development of more than 80 clinical cases, recorded with POV (*Point Of View*) systems from different angles, presented by experts in surgery and other specialties. 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.
- ♦ Presentation of practical workshops on procedures and techniques.
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course.
- ♦ Action protocols and clinical practice guidelines, which cover the most important latest developments in this specialist area.
- ♦ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- ♦ Special emphasis on test-based medicine and research methodologies in the surgical process.
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



Get back to the forefront as a professional in general surgery thanks to a program designed entirely to update your knowledge"

“

This Master's Degree is the best investment you can make for two reasons: you will obtain a degree by TECH Global University, and you will acquire the best and most up-to-date training in General and Digestive System Surgery”

It is the best academic program on the market in this field, also because of its price-quality ratio.

Improve your surgical skills with this specialized training and become a sought-after professional.

The teaching staff includes a team of healthcare professionals, who bring their experience to this training program, as well as renowned specialists from leading scientific societies.

The multimedia content developed with the latest educational technology will provide the surgeon 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 professional must try to solve the different professional practice situations that arise throughout the program. For this reason, you will be assisted by an innovative, interactive video system created by renowned and experienced experts in the field of general and digestive system surgery with extensive teaching experience.



02 Objectives

This Master's Degree of university specialization is aimed at updating the knowledge of professionals in General and Digestive System Surgery. This very complete program offers a unique opportunity to update the student's scientific and technical knowledge. Additionally, it will provide them with the necessary professional expertise, as well as the abilities and skills to become an expert in the field. The following is a detailed breakdown of the objectives that the teaching team has set for the delivery of this enriching didactic experience.





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This training will increase your confidence in surgical practice, and will help you to continue to grow professionally"

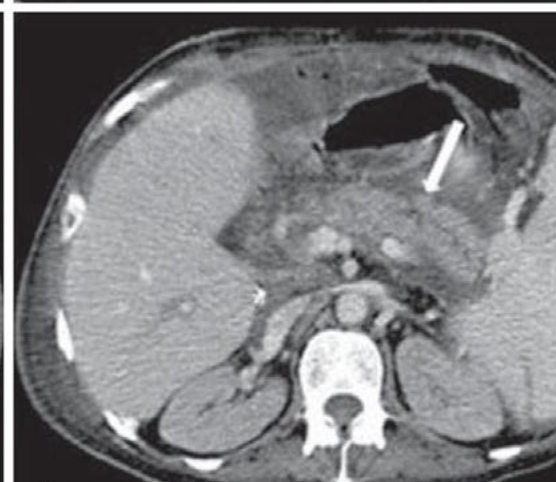
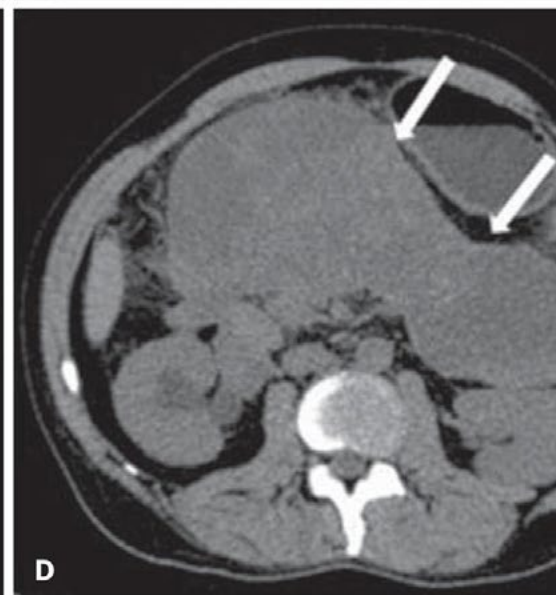
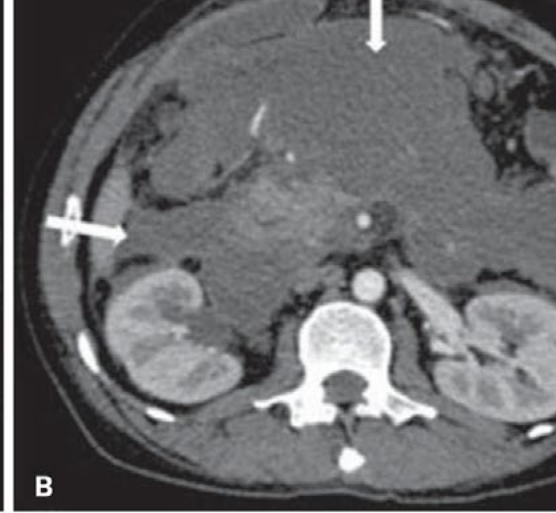
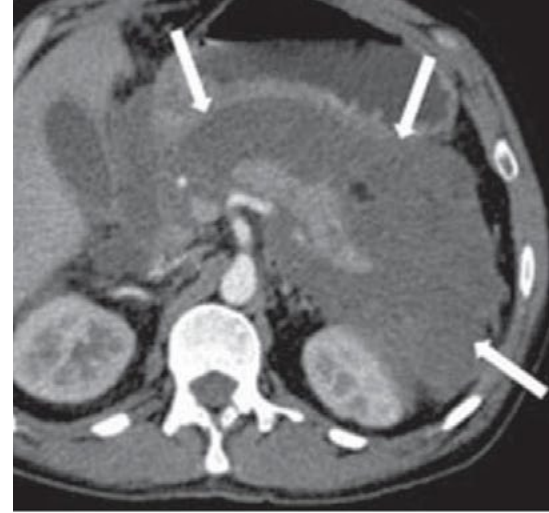


General Objective

- Update knowledge of the most frequent procedures and techniques used in routine clinical practice in general and digestive system surgery, providing answers to the specialist's most common questions.



Acquire the necessary skills to specialize in this field and give a boost to your profession"





Specific Objectives

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 gallbladder and bile duct tumors

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 hydrosadenitis
- 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

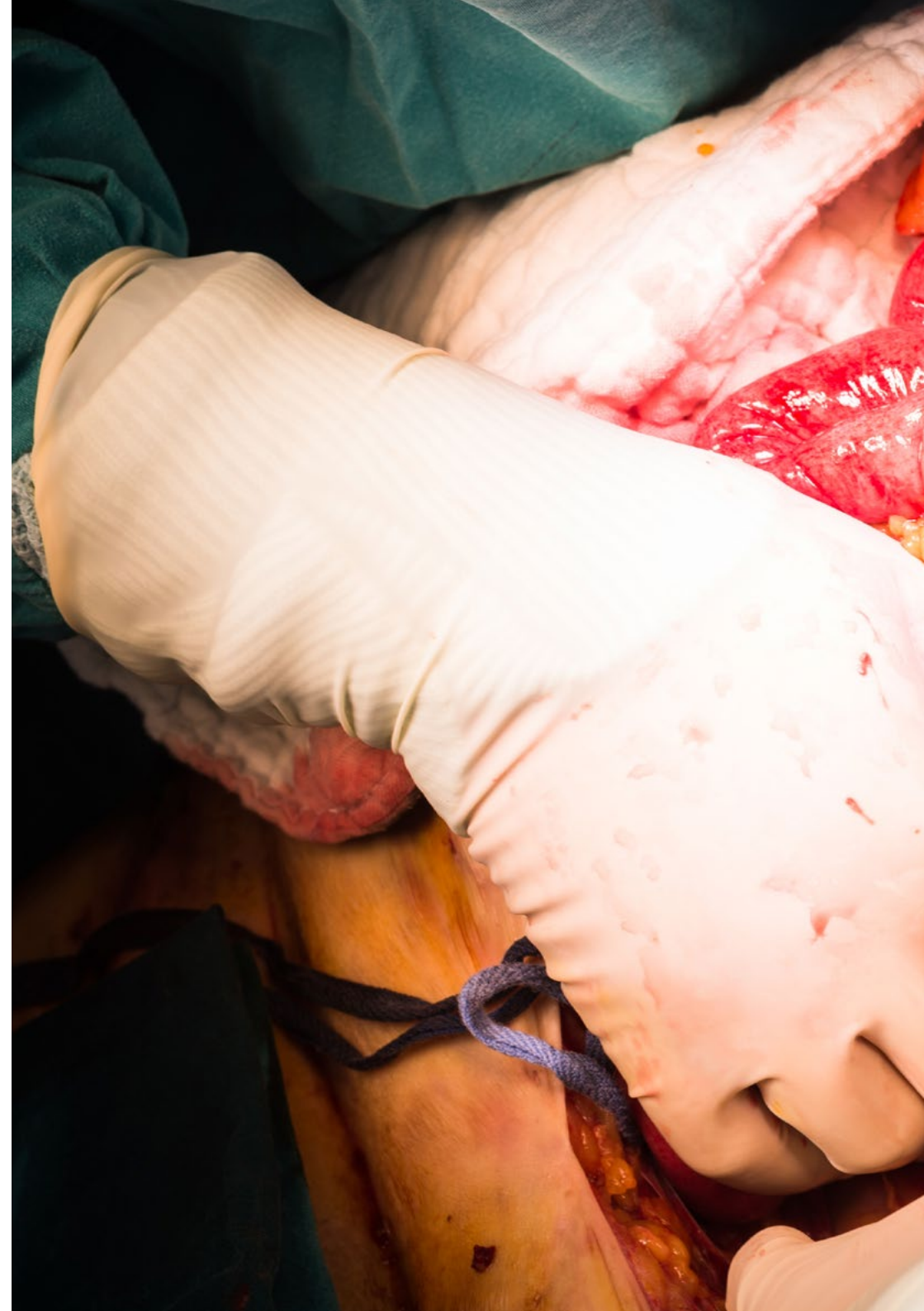
- Establish the principles of inflammatory bowel disease
- Address the surgical management of Crohns disease.
- Describe the surgical process of Ulcerative Colitis

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 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 general and digestive system surgery: in surgical learning, in surgical devices, in NOTES surgery, and in Cell Therapy and Surgery.
- ♦ Point out the role of 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.

03 Skills

After passing the assessments of the Master's Degree in Update in General and Digestive System Surgery, the students will have acquired the necessary professional skills for quality, up-to-date medical practice based on the most recent scientific evidence. They will be able to deal with a wide range of conditions susceptible to surgical intervention, knowing at all times, with absolute precision, which protocols should be followed according to the medical condition in question.



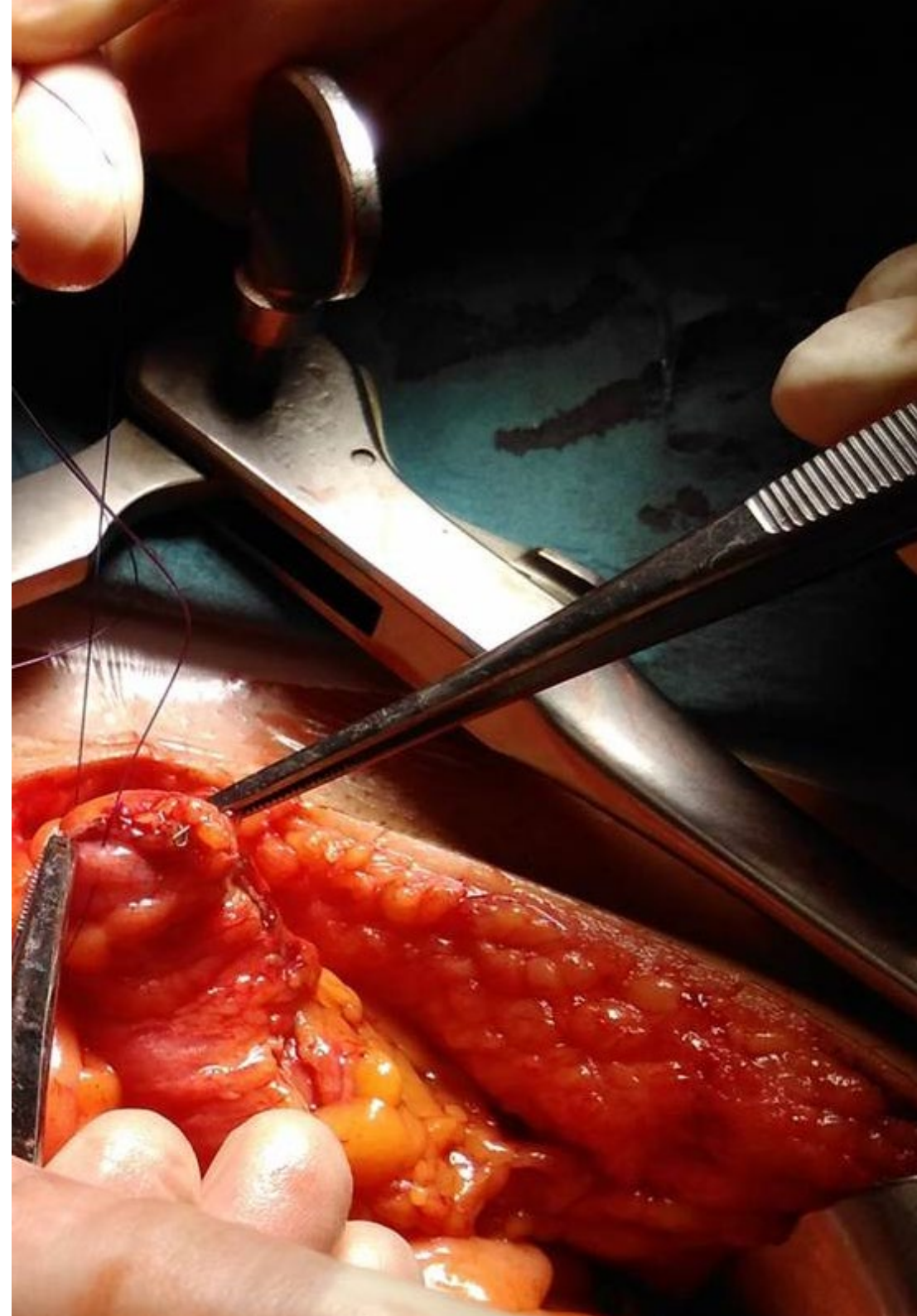
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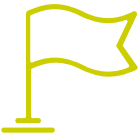
*With this program you will be able to master
new diagnostic and therapeutic procedures
in surgical patients"*



General Skills

- ♦ Possess and understand knowledge that provides a basis or opportunity to be original in the development and/or application of ideas, often in a research context
- ♦ Know how to apply acquired knowledge and problem-solving skills in new or unfamiliar environments within broader (or multidisciplinary) contexts related to the field of study
- ♦ Integrate knowledge and face the complexity of making judgments based on incomplete or limited information, including reflections on the social and ethical responsibilities linked to the application of their knowledge and judgments
- ♦ Know how to communicate conclusions, knowledge, and supporting arguments 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.
- ♦ Recognize the need to maintain your professional skills and keep them up to date, with special emphasis on autonomous and continuous learning of new information.
- ♦ Develop the capacity for critical analysis and research in your professional field.





Specific Skills

- ♦ 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
- ♦ Discover the therapeutic plan for esophageal diverticula
- ♦ 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
- ♦ Point out 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
- ♦ Point out the differences in the approach to acute and chronic pancreatitis
- ♦ Describe the role of medical and radiotherapy oncology in colon cancer and describe the principles of colon cancer surgery
- ♦ Point out the differences and similarities in the abdominal, transanal, and combined approach in rectal cancer surgery.
- ♦ Explain the different surgical techniques for anal surgery
- ♦ Explain the surgical principles in the management of Crohn's Disease and Ulcerative Colitis
- ♦ Describe thyroid, parathyroid, and adrenal gland surgery.
- ♦ Explain the management of open abdomen and evisceration, inguino-crural hernias, and eventrations
- ♦ Point out the indications and procedures in surgery for peritoneal carcinomatosis
- ♦ Define the general surgical procedures and techniques applied to patients in digestive emergencies
- ♦ Identify innovations in the field of general and digestive system surgery and the role of Information and Communication Technologies applied to surgery
- ♦ Use web resources and ICT for personal and professional use.
- ♦ Perform documentation searches through the electronic tools available on the web in order to locate quality information
- ♦ Carry out a critical and in-depth study on a topic of scientific interest in the field of general surgery and digestive system
- ♦ Communicate result findings after having analyzed, evaluated, and synthesized the data
- ♦ Identify the most important documentary databases in the health sciences in order to perform adequate and reliable searches
- ♦ Describe the process of critical reading of scientific publications
- ♦ Write material to be published or presented at conferences

04

Course Management

The creation of the materials is the product of the joint work of a team of reference professionals in the surgical area who carry out their professional activity in reference hospitals. As such, each of them has contributed all the experience gained during the course of their respective medical functions throughout their careers to the program's academic itinerary. However, one of the most notable features of this academic program is the number of professors, approximately 80, who guarantee an education as precise as their scalpels, as each one will teach very specific parts of the syllabus.





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Learn the latest advances in general and digestive system surgery from leading professionals".

Management



Dr. Díaz Domínguez, Joaquín

In Memoriam

"Dr. Joaquín Díaz Domínguez has been 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



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- ♦ Degree in Medicine from the Autonomous University Madrid
- ♦ Doctor from the Autonomous University of Madrid



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- ♦ Specialist in Digestive and General Surgery at the Salamanca University Welfare Complex
- ♦ Specialist in Digestive and General Surgery at the Ávila Welfare Complex
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- ♦ PhD in Surgery from the Autonomous University of Madrid
- ♦ Master's Degree in Update on Digestive and General Surgery by the University of CEU Cardenal Herrera
- ♦ Higher Diploma of Specialization in Ultrasonography for Surgeons by the University of Zaragoza
- ♦ European Diploma in Hepatic, Pancreatic and Biliary Cancers: Oncosurgical Strategies from the University of Paris South



Dr. Álvarez Gallego, Mario

- ♦ Medical Surgeon in Digestive and General 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 Digestive and General Surgery, Colorectal Surgery Unit at the Infanta Sofía University Hospital
- ♦ Specialist in Digestive and General Surgery at Infanta Cristina University Hospital Parla, Madrid
- ♦ Specialist in Digestive and General Surgery, Colorectal Surgery Unit at La Paz University Hospital Madrid

Professors

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- Attending Physician at La Paz University Hospital
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- 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*

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

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- ♦ Attending Physician at Donostia University Hospital
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Dr. Borda Arrizabalaga, Nerea

- ♦ Assistant 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 Digestive Endoscopy Department at La Paz University Hospital
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- ♦ Clinical symptoms Teaching Collaborator at the Autonomous University of Madrid
- ♦ Degree in Medicine and Surgery from the University of Extremadura
- ♦ Expert in Emergencies in Gastroenterology and Hepatology at the Distance Learning University of Madrid
- ♦ Stay at Keio University Hospital Tokyo, Japan

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- ♦ Medical Specialist in General Surgery and Digestive System Surgery
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- ♦ Doctor in the Department of General and Digestive System Surgery at the General University Hospital of Infanta Sofía San Sebastián de los Reyes, Madrid.
- ♦ Hepatobiliary Surgeon at SERMAS
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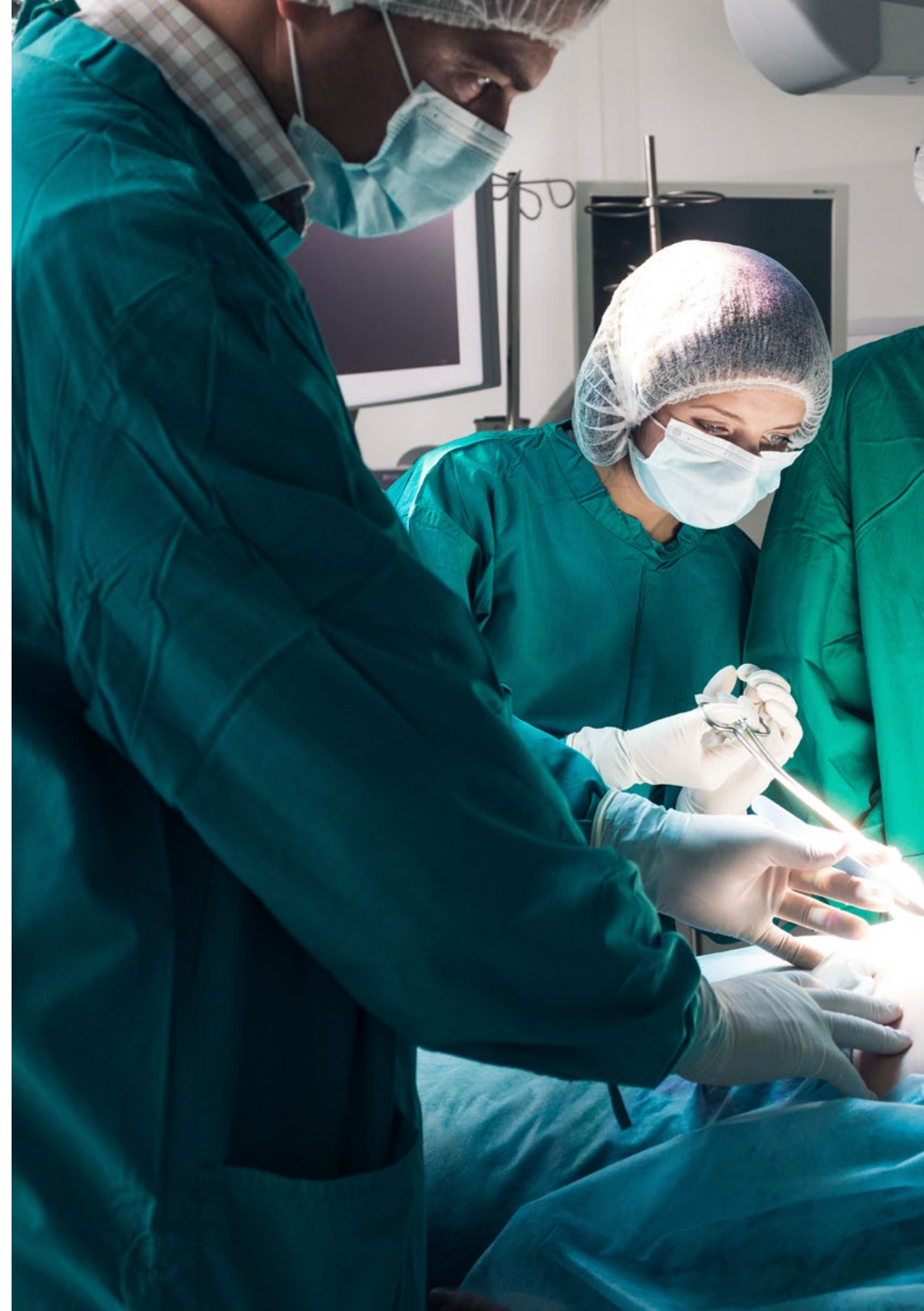
- ♦ Specialist in Dermatology at La Paz University Hospital
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- ♦ Specialist in General and Digestive System Surgery at the Ruber Juan Bravo Hospital Complex
- ♦ Doctor of Medicine from the Pontifical Catholic University of Ecuador





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- ♦ Complete Training Diploma by the Spanish Society of Obesity Surgery (SECO)

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Former member of the Military Health Corps
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- ♦ Speaker at the 3rd Conference on Transversal Geriatrics Spain

Dr. López Monclús, Javier

- ♦ Area Physician in the Hepatobiliopancreatic Surgery and Liver Transplant Unit at Puerta de Hierro University Hospital Majadahonda
- ♦ Area Specialist in the Hepatobiliopancreatic Surgery and Liver Transplant Unit at the Puerta de Hierro University Hospital Majadahonda
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- ♦ Specialist physician at the the Henares University Hospital Coslada, Madrid
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- ♦ Coordinator of the Endocrine Surgery and Breast Pathology Area at La Paz University Hospital

- ♦ Head of the Endocrine Surgery Department at the Ruber Juan Bravo Hospital
- ♦ Member of the Endocrine Surgery Section of the Spanish Association of Surgeons
- ♦ Coordinator of the Endocrine Surgery Section of the Spanish Association of Surgeons
- ♦ Specialist Surgeon in Endocrine and Breast Surgery at the Ramón y Cajal Hospital
- ♦ Specialist Surgeon in Neck and Breast Surgery at the Jiménez Díaz Foundation University Hospital
- ♦ Specialist in General and Digestive System Surgery at the La Princesa University Hospital
- ♦ Doctorate in Medicine from the Autonomous University Madrid
- ♦ Degree in Medicine from the Complutense University of Madrid.
- ♦ Associate Physician at the University of Alcalá
- ♦ Associate Physician at the Universidad Autónoma de Madrid

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- ♦ General and Digestive System Surgeon at the Jiménez Díaz Foundation Hospital
- ♦ General and Digestive System Surgeon at IMED Hospitals
- ♦ Specialist Physician at the Jiménez Díaz Foundation University Hospital
- ♦ Expert in Colorectal and Pelvic Floor Interventions
- ♦ Participant in several research studies
- ♦ Professor in university studies and courses related to his specialty.
- ♦ Master's Degree in Colorectal and Pelvic Floor Surgery at the University of Zaragoza

Dr. Jiménez Toscano, Marta

- ♦ Surgeon in the Colorectal Unit at the Parque de Salud Mar, Hospital del Mar

Barcelona

- ♦ Assistant Physician in the Gastrointestinal Surgery Unit at the Hospital Clínic of Barcelona
- ♦ Surgeon in the Gastrointestinal Surgery Unit at the Quirónsalud University Hospital
- ♦ Resident Doctor in the General and Digestive Surgery Unit at the Alcorcón Foundation University Hospital
- ♦ Graduate in Medicine and Surgery from the Autonomous University of Madrid

Dr. Gil Yonte, Pablo

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- ♦ Doctor in Medicine and Surgery by the Rey Juan Carlos University
- ♦ Author of numerous articles on Colectomy and Rectal Surgery

Dr. Olea, José Manuel

- ♦ Doctor at the General Surgery and Digestive System Service, in the Colorectal Surgery Unit at the Son Espases University Hospital Palma de Mallorca
- ♦ Coordinator of the Transversal Colorectal and General Surgery Area at the Medical-Surgical Digestive Institute at the Son Llatzer Hospital Palma de Mallorca
- ♦ General Surgery Consultant at Quirónsalud Palmaplanas Hospital
- ♦ General Surgery Consultant at Rotger Quirónsalud Clinic
- ♦ Degree in Medicine and Surgery at University of the Basque Country (UPV/ UPV)
- ♦ Specialization in General and Digestive System Surgery at the Navarra University Clinic

Dr. Recarte Rico, María

- ♦ Specialist in General and Digestive System Surgery at La Paz University Hospital

- ♦ Assistant Physician to the General Surgery and Digestive System Service at the HM Torrelodones University Hospital
- ♦ Physician in the General Surgery and Digestive System Service at del Tajo University Hospital
- ♦ Doctor of the HM Unit, General Surgery and Digestive System in HM Montepíncipe
- ♦ Physician of the HM Unit, General Surgery and Digestive System in HM Torrelodones
- ♦ Doctor of General Surgery and Digestive System at the University Hospital of Getafe
- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ Specialty in General Surgery and Digestive System by La Paz University Hospital
- ♦ Diploma in Obesity Surgery and Metabolic Diseases by the Spanish Society of Obesity Surgery, Medical-Surgical Unit of Obesity by La Paz University Hospital
- ♦ Diploma in Liver Transplantation by the Mount Sinai Medical Center New York, USA

Dr. Ghanem Cañete, Ismael

- ♦ Medical specialist at 12 de Octubre University Hospital
- ♦ Medical Oncology Service Physician at La Paz University Hospital
- ♦ Doctor of Medicine and Surgery from the Complutense University of Madrid.
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- ♦ Assistant Physician in the Digestive System Service at La Paz University Hospital
- ♦ Head of the Digestive Functional Disorders Unit at La Paz University Hospital
- ♦ Collaborator in the Digestive Clinic at the Autonomous University of Madrid
- ♦ Health care activist as a Specialist Physician at La Paz University Hospital
- ♦ Head of the Chronic Inflammatory Bowel Disease Unit as Surgical Physician (DMQ) at the Moncloa Hospital
- ♦ Head of the Chronic Inflammatory Bowel Disease Unit as Surgical Physician (DMQ) at the Beata Ana María Hospital
- ♦ Member of: Spanish Society of Digestive Pathology (SEPD), Spanish Association of Gastroenterology (AEG)

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- ♦ Specialist in Coloproctology at the Specialty Hospital of the Siglo XXI National Medical Center
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- ♦ Assistant Physician in the Unit of General Surgery and Digestive System at the: Infanta Cristina University Hospital, Henares University Hospital, Rey Juan Carlos University Hospital
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- ♦ Researcher of the IdiPaz group (Research Institute of La Paz University Hospital), Cell Therapy and Genometastasis group
- ♦ Tutor of Residents of General and Digestive Surgery at La Paz University Hospital
- ♦ Clinical Teaching Collaborator in the Department of Surgery at the Autonomous University of Madrid
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Dr. Novo Torres, Joan Ricardo

- ♦ Medical Specialist in Radiology
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- ♦ Hepatobiliopancreatic Surgeon at Quirónsalud in the General Hospital of Villalba
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- ♦ Doctor of Medical Oncology at La Paz University Hospital Madrid
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- ♦ Speaker at the XXIV Cancer Review Symposium
- ♦ Co-author of the book Abelloff Clinical Oncology (6th Edition)

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- ♦ General and Digestive Surgeon at La Paz University Hospital
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- ♦ Author of the article *Our experience with the Carbonell-Bonafé SAC Technique in complex eventrations*

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- ♦ Coordinator of the HBP Surgery Unit of the General Surgery Service of the HGU
- ♦ Surgical Coordinator of the Liver Transplantation Program at the Gregorio Marañón Hospital
- ♦ General Surgeon and Specialist in Liver Transplantation and Bariatric Surgery
- ♦ Chief of the General and Digestive System Surgery Department at Quirónsalud University Hospital of Madrid
- ♦ General Surgeon at de La Moraleja Hospital
- ♦ Associate Professor of Surgical Pathology at the Department of Surgery
- ♦ Doctor of Medicine from the Complutense University of Madrid
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- ♦ Physician at the the General Surgery Service at CENTRO Clinic. Madrid
- ♦ Teacher and researcher in her field of study

- ♦ Graduate in Medicine and Surgery

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- ♦ Medical Specialist in the Esophagogastric and Bariatric Surgery Unit
- ♦ Medical Specialist in the Esophagogastric and Bariatric Surgery Unit at the Jiménez Díaz Foundation University Hospital
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- ♦ Specialist Physician and Coordinator of the Esophagogastric Surgery Unit at the Infanta Cristina University Hospital
- ♦ Head of the Bariatric Surgery Unit at La Paz University Hospital
- ♦ Quality Coordinator of General and Digestive Surgery at La Paz University Hospital
- ♦ Medical Specialist in General Surgery and Digestive System at HM Torrelodones Hospital
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- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid
- ♦ Specialist in General Surgery and Digestive System at Gregorio Marañón University Hospital
- ♦ FAST Accreditation Diploma and Ultrasound course for surgeons from the Spanish Association of Surgeons (AEC)
- ♦ General and Digestive Surgeon at Nuestra Señora del Rosario Hospital

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- ♦ Chief of the Gastrology Section at La Paz University Hospital
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- ♦ Doctor in Medicine from the Autonomous University Madrid
- ♦ Course in Strategic Management in the Clinical Environment I. ESADE
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- ♦ Doctor at the General Surgery and Digestive System Service at La Mancha Centro Hospital Complex Alcázar de San Juan
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- ♦ Degree in Medicine

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- ♦ Medical Specialist in Digestive System at La Paz University Hospital
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- ♦ Chief of the Section of the the Coloproctology Unit at La Paz University Hospital Madrid
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- ♦ Research Author: *Gastrointestinal hormones and intestinal resection experimental study in the rat* With reading at the Autonomous University of Madrid Dialnet. Unirioja

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- ♦ Chief of the General and Digestive System Surgery Department at La Mancha Centro

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- ♦ Head of the Surgery Section at La Mancha Centro General Hospital
- ♦ Specialist in Surgery at La Mancha Centro General Hospital
- ♦ Head of the General Surgery Unit at Quirónsalud Alcázar de San Juan
- ♦ Surgical Resident of the Madrid Health Service at 12 de Octubre Hospital Madrid
- ♦ Fellow, Oncological Surgery at the University of Heidelberg Germany
- ♦ Fellow, Laparoscopic Surgery at CHU A. Vesale Belgium
- ♦ Fellow, Laparoscopic Surgery by Cedars-Sinai Medical Center Los Angeles, USA

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- ♦ Author of scientific articles on his specialty

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- ♦ Doctor of Radiodiagnosis in the Vascular and Interventional Radiology Section at La Paz University Hospital
- ♦ Assistant Radiologist at the Gregorio Marañón General University Hospital
- ♦ Co-author of the following scientific articles: *Pulmonary flash edema in a geriatric patient after pacemaker placement: case report and review of the literature*, *Subaortic innominate vein on magnetic resonance imaging*, *Giant presacral Myelolipoma*

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- ♦ Medical Specialist at the Jiménez Diaz Foundation University Hospital

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- ♦ European Councilor of Endocrine Neck Surgery in the European Society of Endocrine Surgeons (ESE)
- ♦ Physician at the General and Digestive System Surgery Service at La Paz University Hospital
- ♦ Fellow of Endocrine Surgery and Breast Pathology at Jiménez Díaz Foundation University Hospital
- ♦ Resident Medical Intern at the 12 de Octubre University Hospital
- ♦ International Master's Degree in Mastology at Menéndez Pelayo International University
- ♦ Doctor from Medicine from the Complutense University of Madrid
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Dr. Pintor Tortolero, José

- ♦ Medical Specialist in the Fields of General Surgery and Digestive System at the Virgen del Rocío University Hospital Sevilla, España
- ♦ General Surgeon at Reina Sofia University Hospital
- ♦ Assistant Physician of General Surgery at La Paz University Hospital
- ♦ Co-author of the programs: Doctor of General Surgery and Digestive System Annotated test of specific subjects for competitive examinations MAD Publishing House
- ♦ Translational Research in Hepatic Surgery Molecular basis of Hepatic Reperfusion Ischemia Editorial Diego Marín Librero Editor SL
- ♦ Minimally Invasive Transanal Surgery: A New Era in the Local Treatment of Rectal Cancer Editorial Diego Marín Librero Editor SL

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- ♦ Oncologist at Hospital La Paz University Hospital Madrid, Spain
- ♦ Medical Assistant to the Radiotherapy Service at La Paz University Hospital Madrid, Spain
- ♦ Graduate of the Academic Program: "Clinical Research", supported by Harvard Medical School and Harvard T.H. Chan School of Public Health
- ♦ Member of: Executive Committee of the +MIR section of the Spanish Society of Medical Oncology (SEOM), Spanish Society of Medical Oncology (SEOM) Spain

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- ♦ Doctor of the Department of General Surgery and Digestive System at La Paz University Hospital Madrid
- ♦ Coordinator of the Internal Hematologic Surgery Unit at La Paz University Hospital Madrid
- ♦ Physician associated to the Autonomous University of Madrid
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- ♦ Co-investigator of the R+D+i Project "Mesenchymal progenitor cells; biological properties and clinical applications" for the Autonomous University of Madrid

Dr. Quiñones Sampedro, José Edecio

- ♦ Medical Specialist in General and Digestive System Surgery at SACYL, Sanidad de Castilla y León
- ♦ Assistant Physician in the HBP Surgery and Pancreas Transplant Section
- ♦ Specialist in the General Surgery Area by SESCOAM
- ♦ Assistant Physician at St Mark's Hospital London, United Kingdom
- ♦ Degree in Medicine from the University of Salamanca



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- ♦ Surgeon of the Laparoscopic Surgery Unit at Viamed Virgen de la Paloma Hospital Madrid
- ♦ Clinical Chief of General Surgery of the Bariatric and Metabolic Surgery Unit Madrid
- ♦ Specialist in Surgery in the General Surgery Service, Esophagogastric and Bariatric Surgery Unit at Ramón y Cajal University Hospital
- ♦ Specialist in Surgery in the General Surgery Service, Esophagogastric, Hepatobiliopancreatic and Thoracic Surgery Unit at Castellón General University Hospital
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid
- ♦ Master's Degree in Advanced Laparoscopic Surgery from the University of Alcalá.
- ♦ Member of the associations: Spanish Association of Surgeons, Section of Esophagogastric Surgery and of the Section of Minimally Invasive Surgery and Technological Innovation of the ACS, Spanish Society of Obesity Surgery (SECO), International Federation for the Surgery of Obesity (IFSO), European Association of Endoscopic Surgery (EAES), Paraguayan Society of Endoscopic Surgery, Madrid Association of Surgeons

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- ♦ Surgeon in the Colorectal Surgery Unit at La Paz University Hospital
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- ♦ Coloproctologist at the Beata María Ana Hospital
- ♦ Medical Specialist in General and Digestive System Surgery at Gregorio Marañón University Hospital
- ♦ Graduate in Medicine and Surgery from the Universidad de Navarra
- ♦ Member of the Coloproctology section of the Spanish Association of Surgeons
- ♦ Member of: Spanish Society of Coloproctology, European Society of Coloproctology, International College of Surgeons, Spanish Association of Digestive Pathology, Spanish Working Group on Crohn's Disease and Ulcerative Colitis (Crohn's Disease and Ulcerative Colitis)

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- ♦ Rural Service for the Ministry of Health Acoria, Huancavelica
- ♦ Degree in Medicine and Surgery from the Mayor de San Marcos National University
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Dr. Rodríguez Rodríguez, Isabel





- ◆ Specialist in Radiation Oncology at La Paz University Hospital Madrid
- ◆ Coordinator of the Brachytherapy Unit of the Radiation Oncology Service of the La Paz University Hospital Madrid
- ◆ Collaborator in Basic and Clinical Research in the Spanish Pharmaceutical Industry (PharmaMar)
- ◆ National Coordinator of the Alliance for the Prevention of Colorectal Cancer
- ◆ Clinical Research Coordinator of the Biomedical Research Foundation of the Ramón y Cajal Hospital
- ◆ Participation as Lead Investigator and Collaborator in a large number of Clinical Research projects
- ◆ Editor of several dozen articles in high-impact scientific journals

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- ◆ Graduate in Medicine and Surgery from the Autonomous University of Madrid
- ◆ Master's Degree in Mastology and Breast Oncology Surgery at the Menéndez Pelayo International University
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- ◆ Residency at Memorial Sloan Kettering Cancer Center New York

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- ♦ General Surgeon at La Paz University Hospital
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- ♦ ESCP Awarded Colorectal Surgery Observership Royal Brisbane & Women's Hospital Foundation
- ♦ *Visiting Fellow* at Oxford University Hospitals NHS Foundation Trust
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- ♦ Medical Specialist in the Dermatology Service at La Paz University Hospital
- ♦ Physician associated to the Autonomous University of Madrid
- ♦ PhD in Medicine from the Autonomous University of Madrid
- ♦ Outstanding publications: Treatment of atopic dermatitis, Relapse of orbital peripheral primitive neuroectodermal tumor with systemic metastasis, Uveitis and juvenile idiopathic arthritis Epidemiology, prognosis and treatment

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- ♦ Master's Degree in Molecular Oncology from the National Cancer Research Center(CNIO)
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- ♦ Surgeon at the University of the Balearic Islands
- ♦ Graduate in Medicine and Surgery from the University of Seville

Doctor of Medicine and Surgery from the University of Extremadura

- ♦ Doctor in Medicine Cum Laude by the University of Seville
- ♦ Lead Investigator in the Peritoneal Oncologic Disease Group
- ♦ Decorated by Queen Elizabeth II of England as a Member of the Order of the British Empire with the Police Merit Medal for his research and activity in the prevention of Balconing
- ♦ Member of: Spanish Society of Coloproctology, Spanish Association of Surgeons,



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- ♦ Head of the Innovation Unit at the Foundation for Biomedical Research of La Paz University Hospital
- ♦ Lawyer and Innovation and Knowledge Transfer Manager at the Foundation for Biomedical Research of La Paz University Hospital
- ♦ Innovation Manager at ITEMAS
- ♦ Lawyer at VS Servicios Empresariales SL
- ♦ Law Degree from the Complutense University of Madrid
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- ♦ Postgraduate Diploma in Minimally Invasive Surgery by the Complutense University of Madrid
- ♦ Doctor Cum Laude in Medicine and Surgery by the Complutense University of Madrid

- ♦ Member of: Spanish Association of Surgeons, Esophagogastric Surgery Section of the ACS, Obesity Surgery Section of the ACS, Spanish Society of Obesity Surgery (SECO), International Federation for the Surgery of Obesity (IFSO), International College of Surgeons (ICS), European Hernia Society (EHS)

Dr. Salinas Gómez, Javier

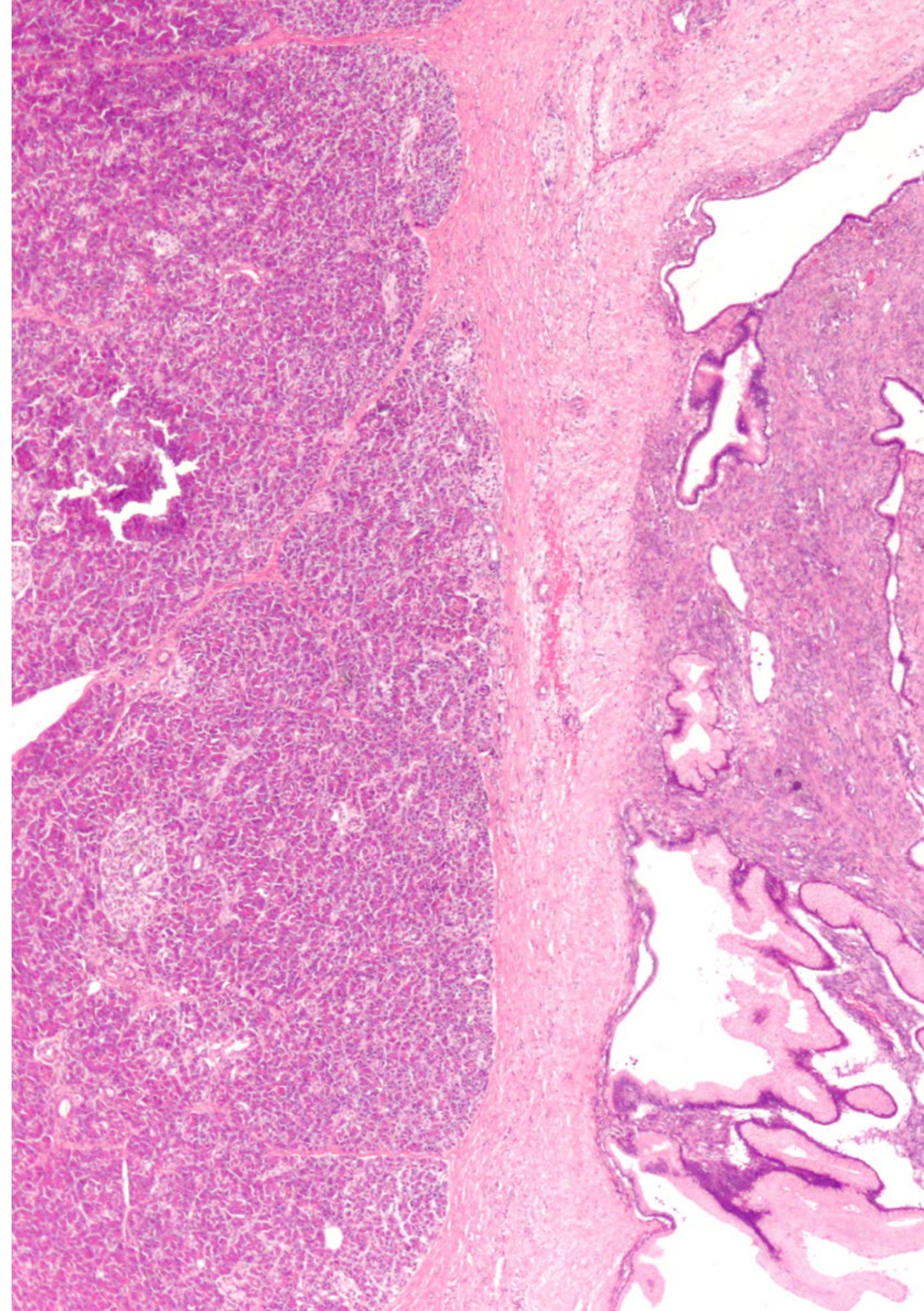
- ♦ Specialist in the General and Digestive System Surgery Service at La Paz University Hospital Madrid, Spain
- ♦ Physician at the Department of Hepatopancreatobiliary Surgery at the La Paz University Hospital
- ♦ Degree in Medicine from the Autonomous University of Madrid
- ♦ PhD in Medicine from the Autonomous University in Madrid
- ♦ Doctor in Liver Transplant Surgery at Virgen de la Arrixaca University Hospital

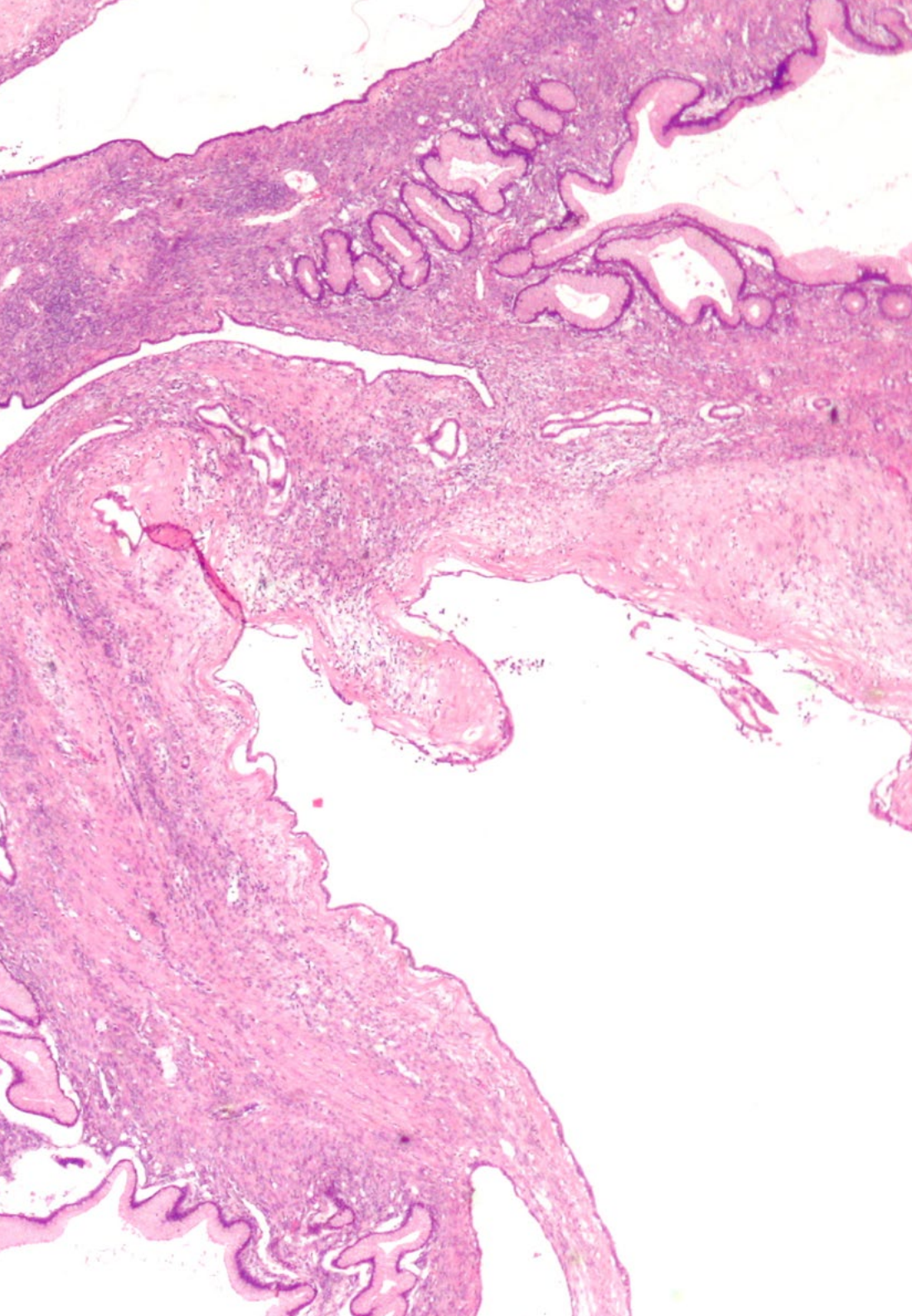
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- ♦ Medical Specialist in Anatomic Pathology at: HT Médica, HM Hospitales, Quirónsalud Hospital, Fuenlabrada University Hospital
- ♦ Resident Medical Intern in Anatomic Pathology at La Paz University Hospital
- ♦ Resident Medical Intern of the Pathological Anatomy of the Hematopathology Unit at the Hospital del Mar, Parc de Salut Mar
- ♦ Graduate 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 A Coruña University Hospital Complex
- ♦ Assistant Physician at the University Hospital Complex of A Coruña
- ♦ Assistant Physician in the General Surgery and Digestive System Service at Son Llátzer Hospital





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- ♦ Assistant Physician at the Autonomous University of Madrid
- ♦ Assistant Physician at Salus Madrid, Center for Medical Specialties
- ♦ Member of the International Federation for Surgery of Obesity and Metabolic Disorders Madrid, Spain

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- ♦ Medical Specialist in General Surgery at La Paz University Hospital
- ♦ Polytrauma Physician at Hospital del Valle Colombia
- ♦ Esophagogastric Surgery at Newcastle Upon Tyne Victoria Hospital England
- ♦ Hepatic and Pancreatic Transplant Physician at 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

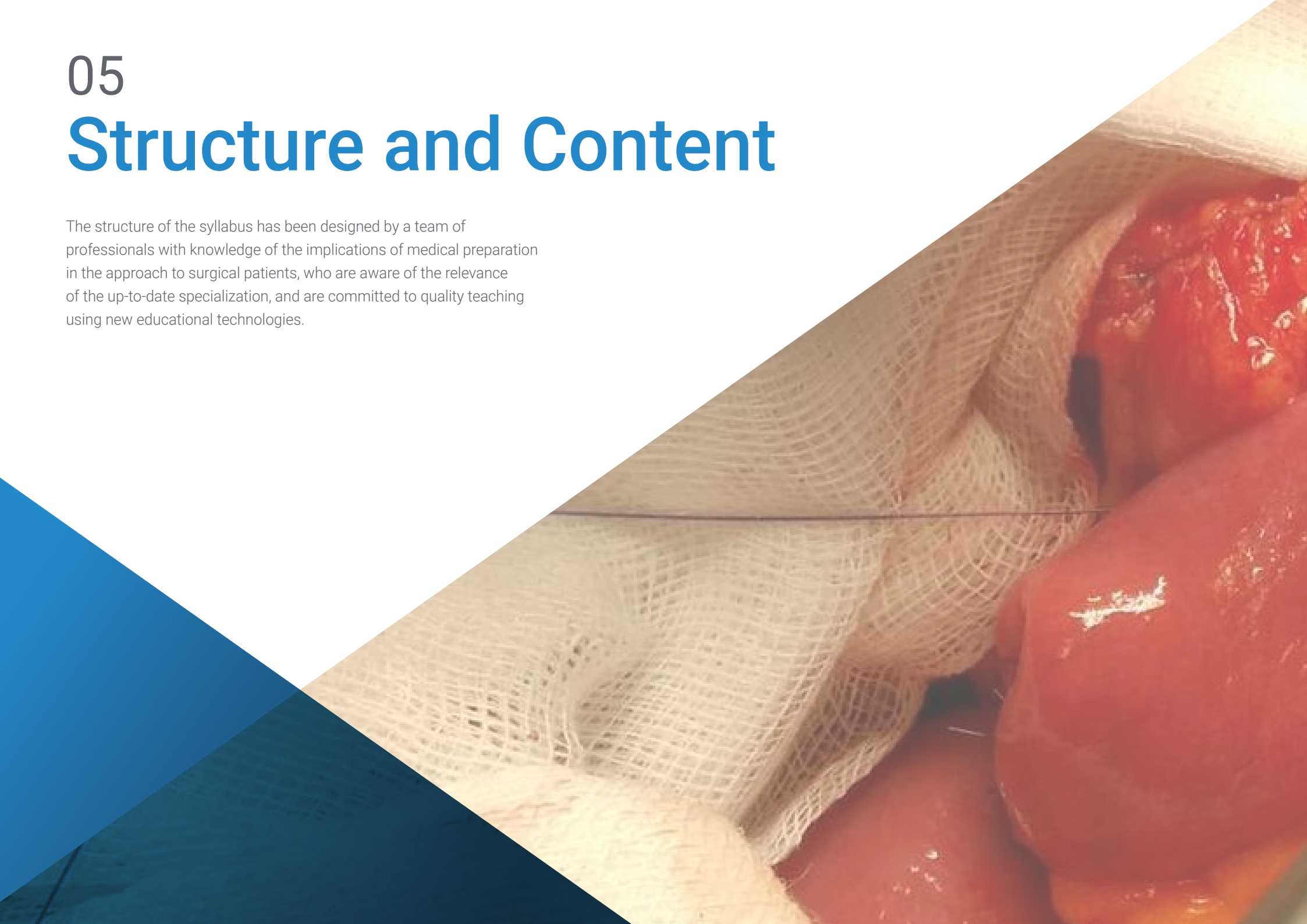
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- ♦ Specialist in the area of General Surgery and Digestive System at Puerta Hierro University Hospital Majadahonda
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- ♦ Degree in Medicine and Surgery from the University of Zaragoza.

05

Structure and Content

The structure of the syllabus has been designed by a team of professionals with knowledge of the implications of medical preparation in the approach to surgical patients, who are aware of the relevance of the up-to-date specialization, and are committed to quality teaching using new educational technologies.



“

This Master's Degree in Update in General and Digestive System Surgery contains the most complete and up-to-date scientific program on the market”

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 Ampulomas
- 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 Transplantation
- 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



Take the opportunity to learn about the latest advances in this field in order to apply it to your daily practice"

06 Methodology

This academic program offers students a different way of learning. Our methodology follows a cyclical learning process: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



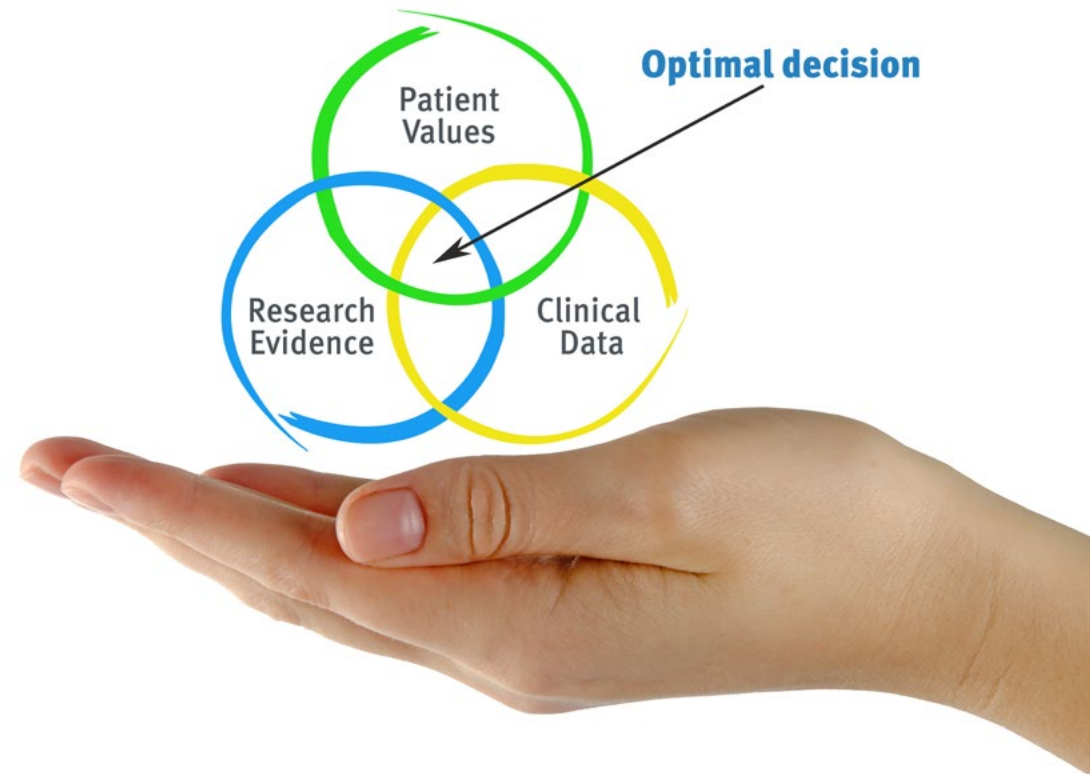
“

Discover Relearning, a system that abandons conventional linear learning to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization”

At TECH, we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a “case”, an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician’s professional practice.

“

Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method.

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that 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.



Relearning Methodology

TECH effectively combines the Case Study methodology with a 100% online learning system based on repetition, which combines 8 different teaching elements in each lesson.

We enhance the Case Study with the best 100% online teaching method: Relearning.

Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been prepared with unprecedented success in all clinical specialties regardless of surgical load. Our educational methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

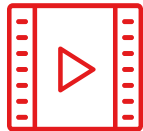
Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

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



This program offers the best educational material, prepared with professionals in mind:



Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then adapted in audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high-quality pieces in each and every one of the materials that are made available to the student.



Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



Interactive Summaries

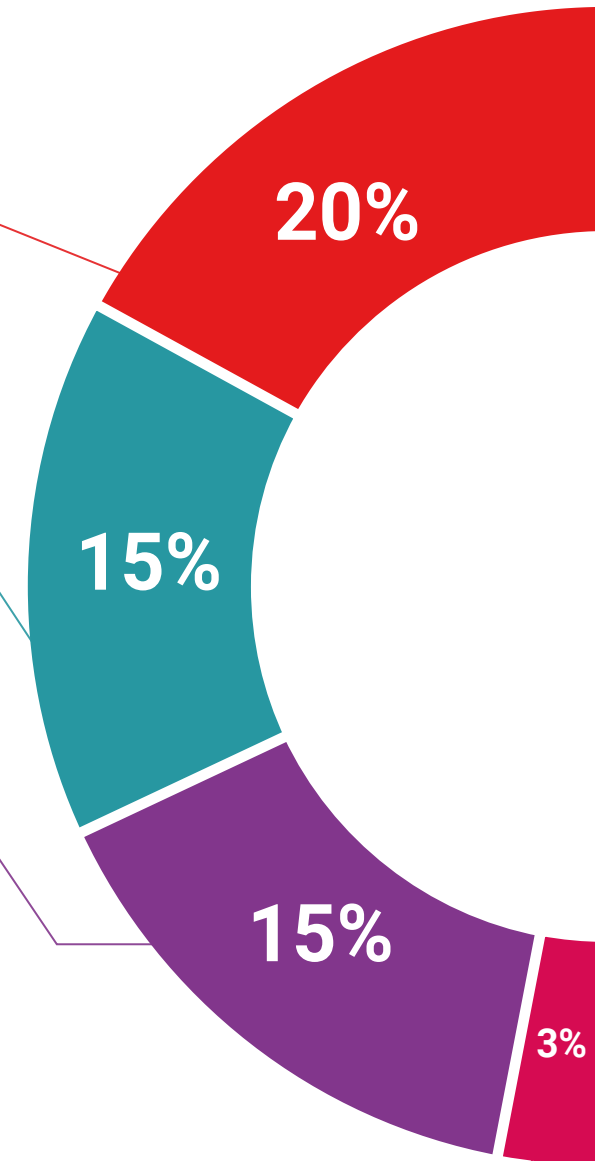
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

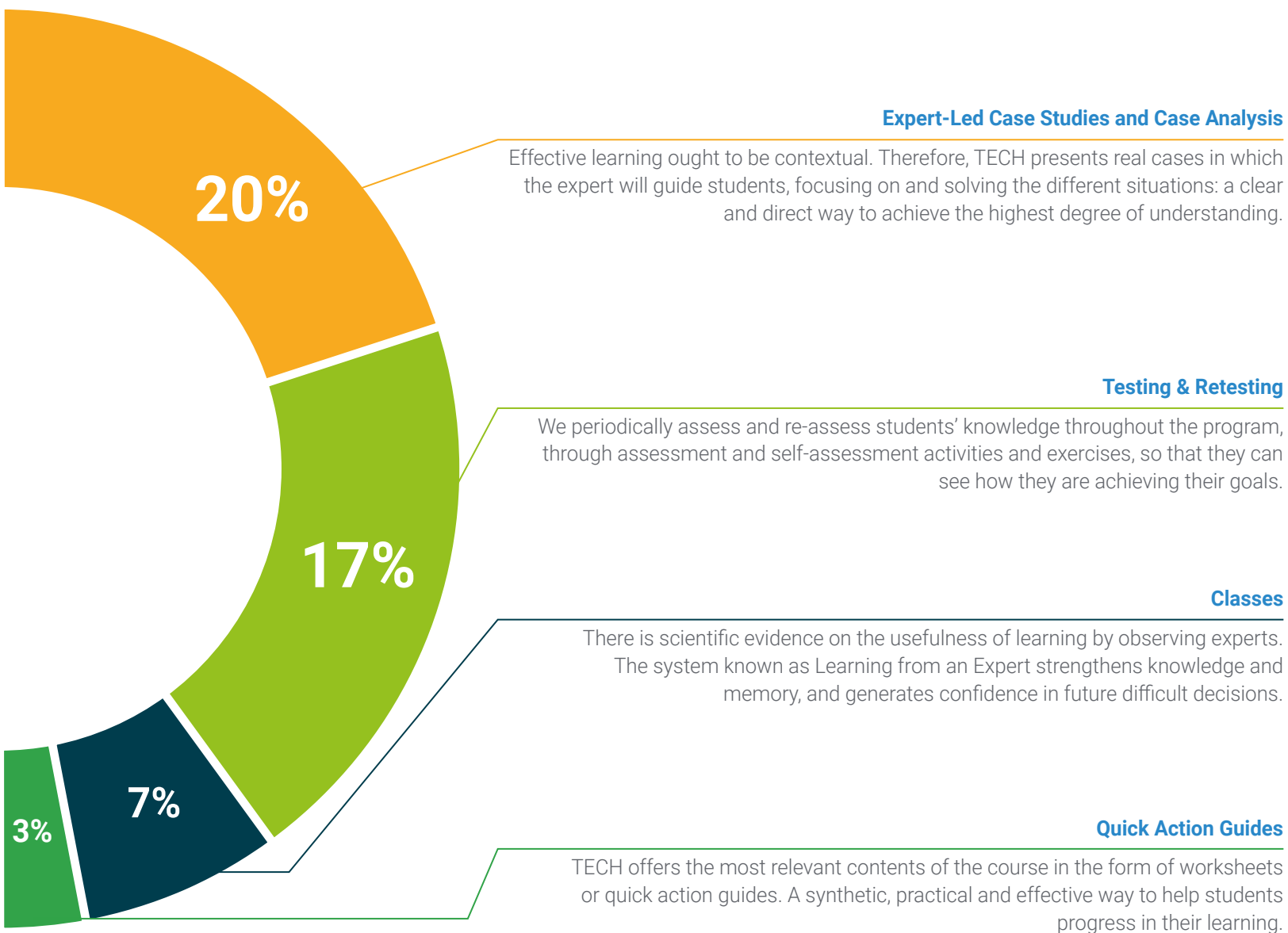
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.





07 Certificate

This Master's Degree in Update on General and Digestive System Surgery guarantees students, in addition to the most rigorous and up-to-date education, access to a 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 **Master's Degree diploma in General and Digestive System 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.

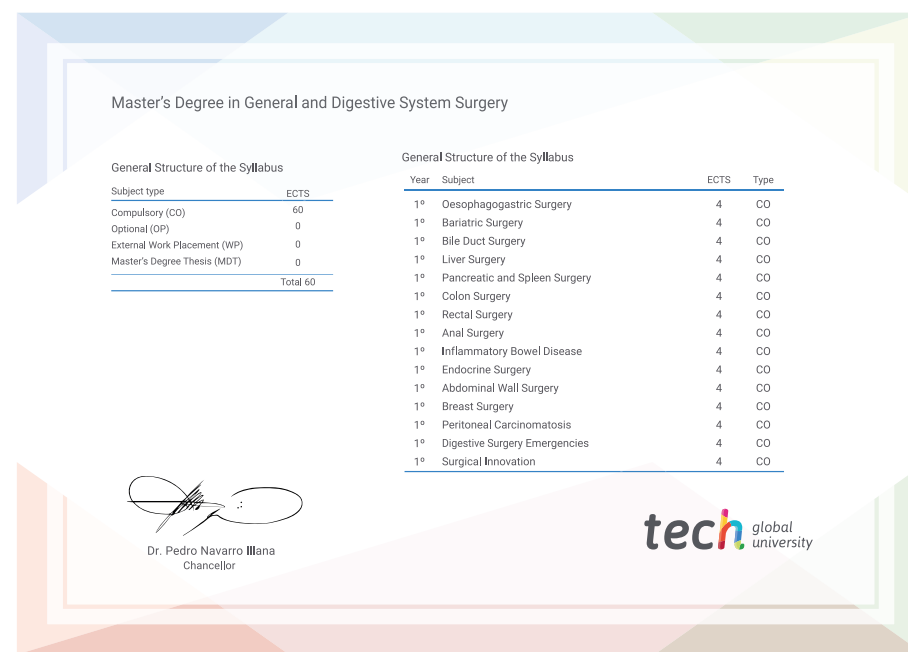
This **TECH Global University** private qualification is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Master's Degree in General and Digestive System Surgery**

Modality: **online**

Duration: **12 months**

Accreditation: **60 ECTS**





Master's Degree

Update in General and
Digestive System Surgery

- » Modality: online
- » Duration: 12 months
- » Certificate: TECH Global University
- » Credits: 60 ECTS
- » Schedule: at your own pace
- » Exams: online

Master's Degree

Update in General and Digestive System Surgery

