

# Postgraduate Diploma Hepatobiliary and Pancreatic Surgery



## Postgraduate Diploma Hepatobiliary and Pancreatic Surgery

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 20 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-hepatobiliary-pancreatic-surgery](http://www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-hepatobiliary-pancreatic-surgery)

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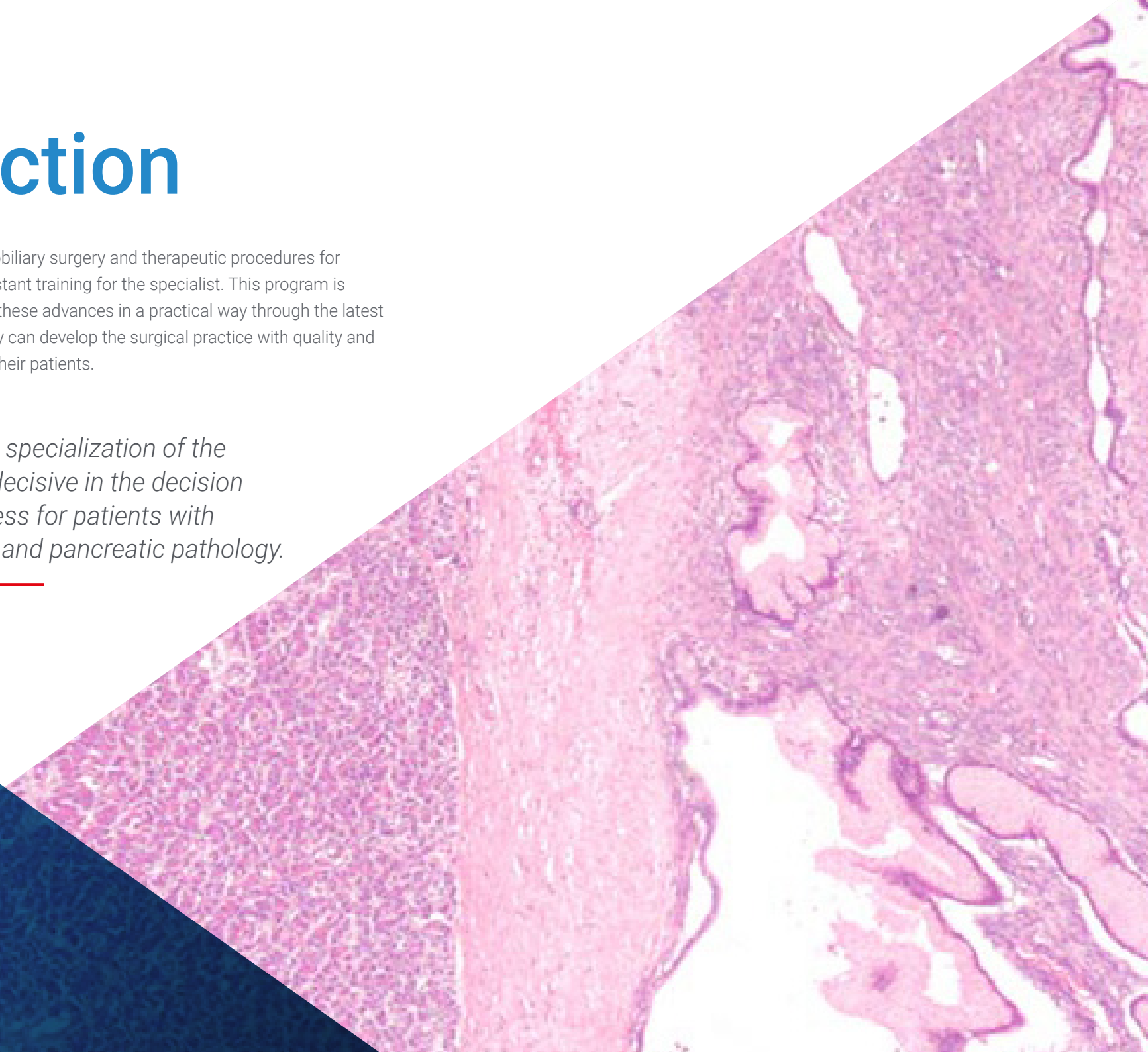
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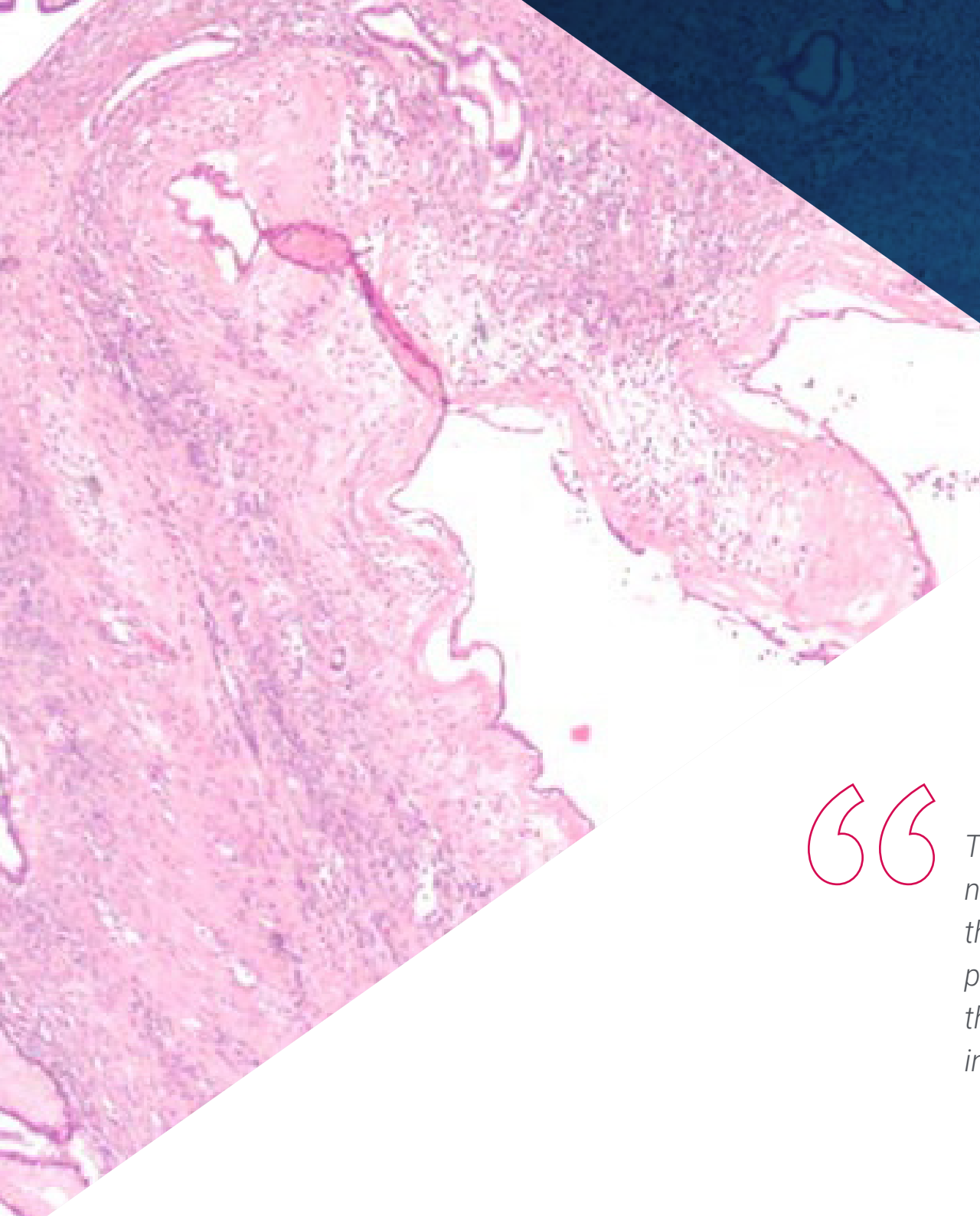
# 01

# Introduction

The continuous advances in hepatobiliary surgery and therapeutic procedures for pancreatic pathologies require constant training for the specialist. This program is designed to facilitate the update in these advances in a practical way through the latest educational technology, so that they can develop the surgical practice with quality and safety, improving the prognosis of their patients.

*The constant specialization of the physician is decisive in the decision making process for patients with hepatobiliary and pancreatic pathology.*





“

*The new scenarios push us to propose new specialization programs that meet the real needs of the most experienced professionals, so that they can incorporate the advances that occur in surgical practice in Hepatobiliary and Pancreatic pathology”*

Diagnostic advances and a better understanding of the pathophysiology of hepatobiliary diseases have allowed extraordinary progress in the treatment of these patients, especially with regard to the development of laparoscopic cholecystectomy, one of the most frequently performed procedures in our environment by most general surgeons.

On the other hand, pancreatic surgery has advanced greatly with laparoscopy, especially in the field of distal pancreatectomy for cystic and neuroendocrine tumors, in addition to playing an important role in the staging of pancreatic tumors. For the radical treatment of neoplasms located in the duodenum, periampullary region, biliopancreatic confluent and pancreatic head, cephalic duodenopancreatectomy is the surgical technique of choice, but it can also be the treatment of choice for some benign diseases such as chronic pancreatitis or premalignant lesions such as some neuroendocrine tumors.

The purpose of this **Postgraduate Diploma in Hepatobiliary and Pancreatic Surgery** and the team of experts who have developed it, is to provide this update in a practical way, the latest bariatric and esophagogastric surgical techniques, through the latest educational technology in the field of esophagogastric surgery.

This **Postgraduate Diploma in Hepatobiliary and Pancreatic Surgery** contains the most complete and up-to-date scientific program on the market. The most important features of the program include:

- ◆ Contains clinical cases presented by experts. The graphic, schematic, and eminently practical contents with which they are created provide scientific and practical information on the disciplines that are essential for professional practice.
- ◆ Diagnostic-therapeutic developments in the care of patients with hepatobiliary and pancreatic problems.
- ◆ Presentation of practical workshops on procedures, diagnostic and therapeutic techniques for infectious diseases and guidelines for hepatobiliary surgery.
- ◆ Video lessons on the different pathologies and their approach.
- ◆ Algorithm-based interactive learning system for decision-making in the presented clinical situations.
- ◆ Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments.
- ◆ Availability of the contents from any fixed or portable device with internet connection.



*Scientific evidence increases the quality of medical care. Keeping up-to-date is key to providing better care for patients with hepatobiliary and pancreatic problems”*

“

*This Postgraduate Diploma may be the best investment you can make in the selection of a refresher program for two reasons: in addition to updating your knowledge in care to patients with hepatobiliary and pancreatic pathology, you will obtain a Postgraduate Diploma from TECH Global University"*

Its teaching staff includes leading surgeons, who bring to this training the experience of their work, in addition to other specialists belonging to prestigious scientific societies.

The multimedia content developed with the latest educational technology will provide the professional with situated and contextual learning, i.e., a simulated environment that will provide immersive training program to train in real situations.

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

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

*Don't miss the opportunity to update your knowledge in the care of patients with Hepatobiliary and Pancreatic Surgery pathology to increase the quality of daily medical care.*



# 02 Objectives

The **Postgraduate Diploma** program is oriented towards a review of the main aspects of the current management of patients with hepatobiliary and pancreatic pathology, based on scientific evidence and the experience of renowned professionals in the field of critical care.







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



## General Objective

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- ♦ Update knowledge of the most frequent procedures and techniques in biliary, pancreatic and hepatic surgery, providing answers to the specialist's everyday questions, as well as reviewing the latest developments in indications, surgical techniques and less invasive alternative treatments in the specialty of digestive tract surgery.



## Specific Objectives

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- ♦ Address the surgical treatment of cholelithiasis.
- ♦ 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 bile duct tumors.
- ♦ Describe the surgical approach to gallbladder tumors.
- ♦ Establish the differences and characterize 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.
- ♦ 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.
- ◆ 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. 17. Address the features of financing, protection, and transfer of innovation in surgery.

04

# Course Management

The program's teaching staff includes leading surgeons in the care of patients with hepatobiliary and pancreatic pathology, who bring their experience to this training. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.





“

*Learn from leading professionals the latest advances in the management of patients with hepatobiliary and pancreatic pathology”*

## 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

- Degree in Medicine from the Autonomous University Madrid
- Doctorate from the Autonomous University of Madrid with the thesis "Use of sutures coated with stem cells (biosutures) in colic anastomoses. An experimental study in rats" with the qualification "Outstanding cum laude".
- Resident Doctor from the MIR program in General and Digestive System Surgery at La Paz University Hospital. Madrid
- Specialist in General and Digestive System Surgery at the Infanta Sofía University Hospital, San Sebastián de los Reyes, Madrid. Hepatobiliopancreatic Surgery Unit
- Specialist in General and Digestive System Surgery at La Paz University Hospital, Madrid. Colorectal Surgery Unit

## Management



### Dr. Álvarez Gallego, Mario

- ◆ 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". Autonomous University of Madrid. Surgery Department. Grade. Outstanding, Cum Laude
- ◆ Residency in General and Digestive System Surgery at La Paz University Hospital, Madrid.
- ◆ Specialist in General and Digestive System Surgery, Colorectal Surgery Unit, Infanta Sofía Hospital.
- ◆ Specialist in General and Digestive System Surgery at the Infanta Cristina Hospital, Parla, Madrid.
- ◆ Specialist in General and Digestive System Surgery, Colorectal Surgery Unit, La Paz Hospital, Madrid.
- ◆ Rotations: General and Digestive System Surgery Service, Son Llätzer Hospital, Palma de Mallorca; Abdominal Organ Transplant Unit, 12 de Octubre Hospital, Madrid; Polytraumatized Patient Unit, Los Angeles County Hospital, University of Southern California (USC), Los Angeles, California, USA.
- ◆ Member of the Innovation Platform of La Paz Hospital (Idipaz).
- ◆ Patent: "Insufflation and suction assisted surgical specimen removal device". Ownership: FIBHULP. Inventor: Mario Álvarez Gallego. Spanish patent: P201031490. Application for international protection PCT/ ES2011/002357

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05

# Structure and Content

The structure of the contents has been designed by a team of professionals knowledgeable about the implications of specialization in surgical practice in hepatobiliary and pancreatic pathology, aware of the current relevance of training to act before the patient with problems of the digestive system and committed to quality teaching through new educational technologies.





“

*This Postgraduate Diploma in Hepatobiliary and Pancreatic Surgery contains the most complete and updated scientific program on the market”*

### Module 1. Bile Duct Surgery

- 1.1. Colelitis
- 1.2. Coledocolitis
- 1.3. Cysts and Primary Sclerosing Cholangitis
- 1.4. Gallbladder Tumors
- 1.5. Bile Duct Tumors

### Module 2. Liver Surgery

- 2.1. Hepatocellular Carcinoma
- 2.2. Benign Liver Tumors
- 2.3. Other Malignant Liver Tumors
- 2.4. Interventional Radiology in Hepatic Lesions
- 2.5. Treatment of Liver Metastases of Colorectal and Non-Colorectal Origin
- 2.6. Medical Oncology in Liver Metastases
- 2.7. Liver Transplant
- 2.8. Liver Cysts and Abscesses



### Module 3. Pancreatic and Spleen Surgery

- 3.1. Acute Pancreatitis
- 3.2. Chronic Pancreatitis.
- 3.3. Pancreatic Head Tumors and Tumors of Ampulla.
- 3.4. Pancreatic Body and Tail Tumors
- 3.5. Anatomopathologic Considerations in Pancreatic Cancer
- 3.6. Neuroendocrine Tumors
- 3.7. Pancreatic Cystic Tumors
- 3.8. Pancreas, Intestinal, and Multivisceral Transplantation
- 3.9. Benign and Malignant Pathology and Surgery of the Spleen

### Module 4. Surgical Innovation

- 4.1. Introduction to Surgical Innovation
- 4.2. Innovation in Surgical Learning
- 4.3. ICT
- 4.4. Innovation in Surgical Devices
- 4.5. Innovation in NOTES Surgery
- 4.6. Robotic Surgery
- 4.7. Financing, Protection, and Transfer of Innovation in Surgery



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

06

# Methodology

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

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





“

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

## At TECH we use the Case Method

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

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



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

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

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

1. Students who follow this method not only grasp concepts, but also develop their mental capacity by evaluating real situations and applying their knowledge.
2. The learning process has a clear focus on practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## Re-Learning Methodology

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

Our University is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, which represent a real revolution with respect to simply studying and analyzing cases.

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



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

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

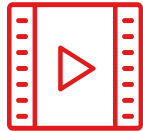
*Re-learning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

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

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



In this program you will have access to the best educational material, prepared with you in mind:



#### Study Material

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

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



#### Latest Techniques and Procedures on Video

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



#### Interactive Summaries

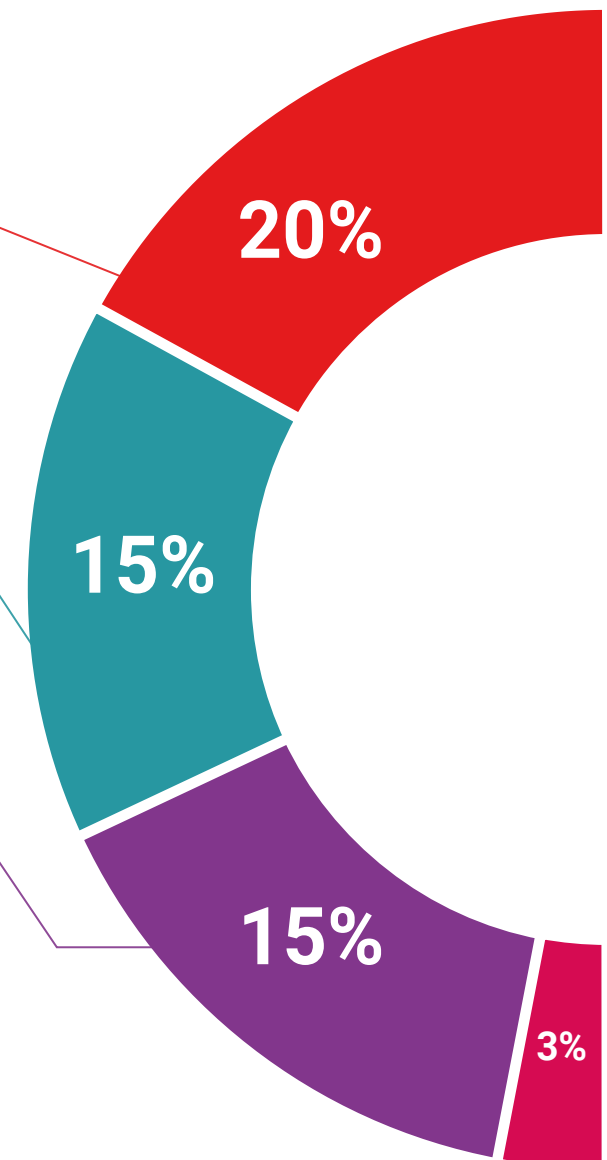
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

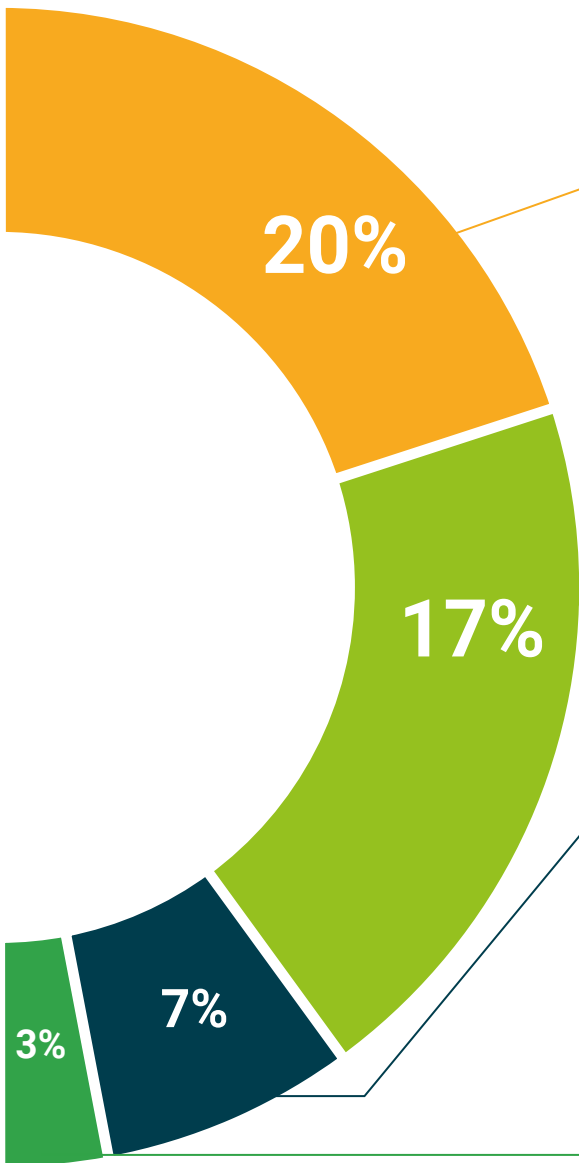
This unique multimedia content presentation training system was awarded by Microsoft as a "European Success Story".



#### Additional Reading

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





#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, we will present you with real case developments in which the expert will guide you through focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Re-testing

We periodically evaluate and re-evaluate your knowledge throughout the program, through assessment and self-assessment activities and exercises: so that you can see how you are achieving your goals.



#### Classes

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

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



#### Quick Action Guides

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



# 06 Certificate

The **Postgraduate Diploma in Hepatobiliary and Pancreatic Surgery** guarantees you, in addition to the most rigorous and up-to-date training, access to a **Postgraduate Diploma** certificate issued by **TECH Global University**.







“

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

This private qualification will allow you to obtain a **Postgraduate Diploma in Hepatobiliary and Pancreatic 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: **Postgraduate Diploma in Hepatobiliary and Pancreatic Surgery**

Modality: **online**

Duration: **6 months**

Accreditation: **20 ECTS**



health future  
confidence people  
education information tutors  
guarantee accreditation teaching  
institutions technology learning  
community commitment  
personalized service innovation  
knowledge present  
online training  
development language  
virtual classroom



**Postgraduate Diploma**  
Hepatobiliary  
and Pancreatic Surgery

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Global University
- » Credits: 20 ECTS
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Diploma Hepatobiliary and Pancreatic Surgery

