Postgraduate Certificate

Malignant Pathology of the Biliary Tract and Pancreas

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Postgraduate Certificate

Malignant Pathology of the Biliary Tract and Pancreas

- Modality: **online**
- Duration: **6 weeks**
- Certificate: **TECH Global University**
- Credits: **6 ECTS**
- Schedule: **at your own pace**
- Exams: **online**

Website: **www.techtitute.com/us/medicine/postgraduate-certificate/malignant-pathology-biliary-tract-pancreas**

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01

Introduction

In a context of increasing cases of malignant pathologies of the biliary tract and pancreas, specialists face several challenges. Among them, it is important to update their knowledge frequently in the face of technological advances in this field of healthcare. These professionals also need to keep abreast of the most advanced techniques in order to apply them to their patients' respective treatments. For this reason, TECH implements a pioneering university program with the aim of supporting the work of surgeons. In addition, it is taught in a 100% online mode for greater convenience and flexibility for students.

Do you want to further your knowledge in the technique of cephalic pancreatectomy? Achieve it through 6 weeks of the best digital teaching"

The benefits of early detection of malignant diseases of the biliary tract and pancreas are manifold. For example, the treatment can be more effective and have a better diagnosis. In this sense, it even helps to reduce the spread of cancer to other parts of the body. Also, in some cases, excisional surgeries are less invasive and require a shorter recovery time in contrast to those performed in advanced stages. In addition, an early diagnosis gives both patients and their families more time to receive psychological support.

Given this importance, TECH is developing a Postgraduate Certificate that will provide students with knowledge based on the latest technological advances. The academic pathway will foster a comprehensive understanding of the progression and management of malignant diseases. In addition, students will consider genetic factors and new treatment modalities in order to have a more complete vision. In addition, under the supervision of a prestigious faculty, students will improve their decision-making skills and ability to deal with complex obstacles in oncologic care. The syllabus will delve into state-of-the-art diagnostic imaging procedures, as well as clinical evaluation for accurate identification. Therefore, various contemporary therapeutic strategies such as multidisciplinary approaches including systemic therapies will be discussed.

It should be noted that the methodology of this program reinforces its innovative character. TECH offers a 100% online educational environment, adapted to the needs of busy professionals seeking to advance in their professional careers. It also employs the innovative Relearning system, based on the repetition of key concepts to fix knowledge and facilitate learning. In this way, the combination of flexibility and a robust pedagogical approach makes it highly accessible. Students will also have access to a rich library of audiovisual resources, including videos and interactive summaries.

This **Postgraduate Certificate in Malignant Pathology of the Biliary Tract and Pancreas** contains the most complete and up-to-date scientific program on the market. The most important features of the include:

- The development of case studies presented by experts in Malignant Pathology of the Biliary Tract and Pancreas
- 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
- Practical exercises where the self-assessment process can be carried out to improve learning
- Its special emphasis on innovative methodologies
- Theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection

Don't wait any longer and enroll in this program that is not subject to hermetic schedules or pre-established evaluation chronograms"

You will achieve your objectives thanks to TECH's didactic tools, including explanatory videos and interactive summaries"

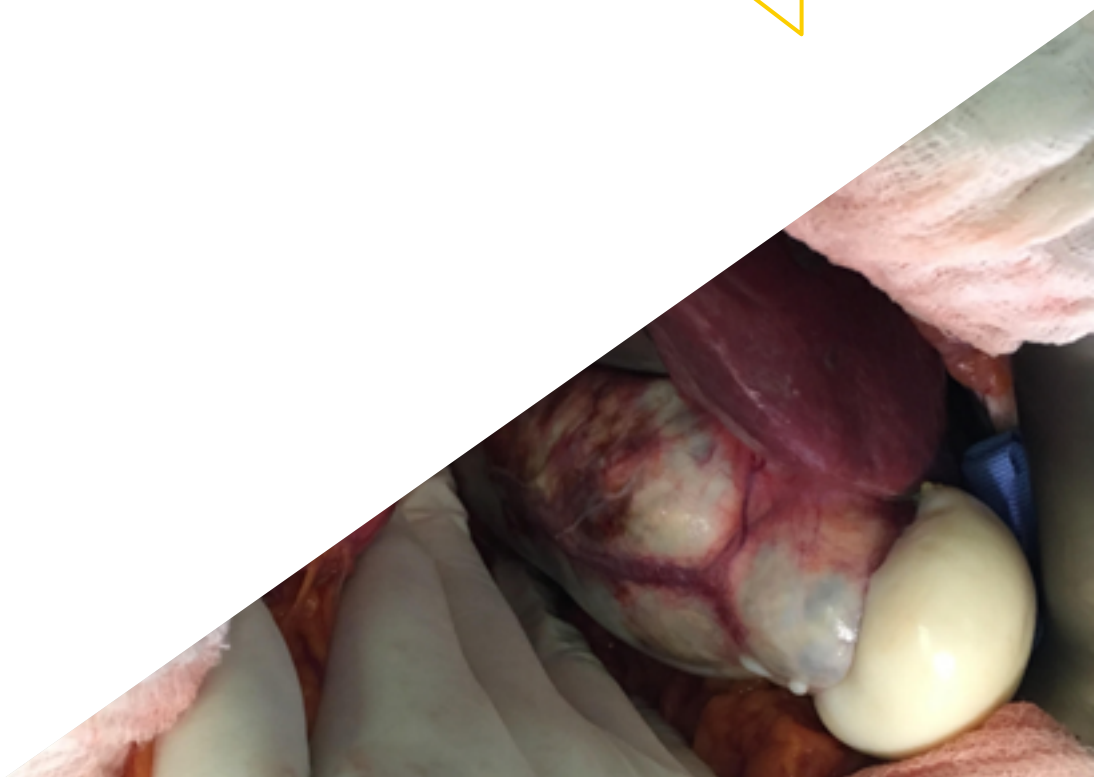
A program designed with a 100% online format to fit the schedules of busy professionals.

Get up to date with the latest developments in histological sections. Enroll now!

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

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

The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system created by renowned experts.



02

Objectives

This syllabus will provide students with a detailed analysis of the malignant conditions affecting the bile duct and pancreas. To this end, the syllabus will begin with a detailed review of the anatomy and physiology. Thanks to this, students will subsequently explore neoplasms such as pancreatic cancer, cholangiocarcinoma or biliary tract tumors. Graduates will be able to apply contemporary therapeutic strategies, ranging from oncological surgeries to multidisciplinary approaches including systemic therapies. Through clinical cases, they will enhance their decision-making skills to address complex challenges in oncologic care.

Get updated in initial evaluation and staging thanks to this program"

General Objectives

- Develop a thorough understanding of the normal anatomy of the liver, including vascular distribution, hepatic segmentation and anatomical relationships
- Establish a solid foundation in normal liver physiology to facilitate identification of pathologic deviations
- Establish a thorough understanding of the pathophysiology of benign liver diseases, including steatosis, chronic hepatitis, and other conditions
- Improve ethical decision making in the selection and application of diagnostic procedures, considering patient safety and welfare
- Stimulate interest in pancreatic disease research and promote constant updating on therapeutic and technological advances

Specific Objectives

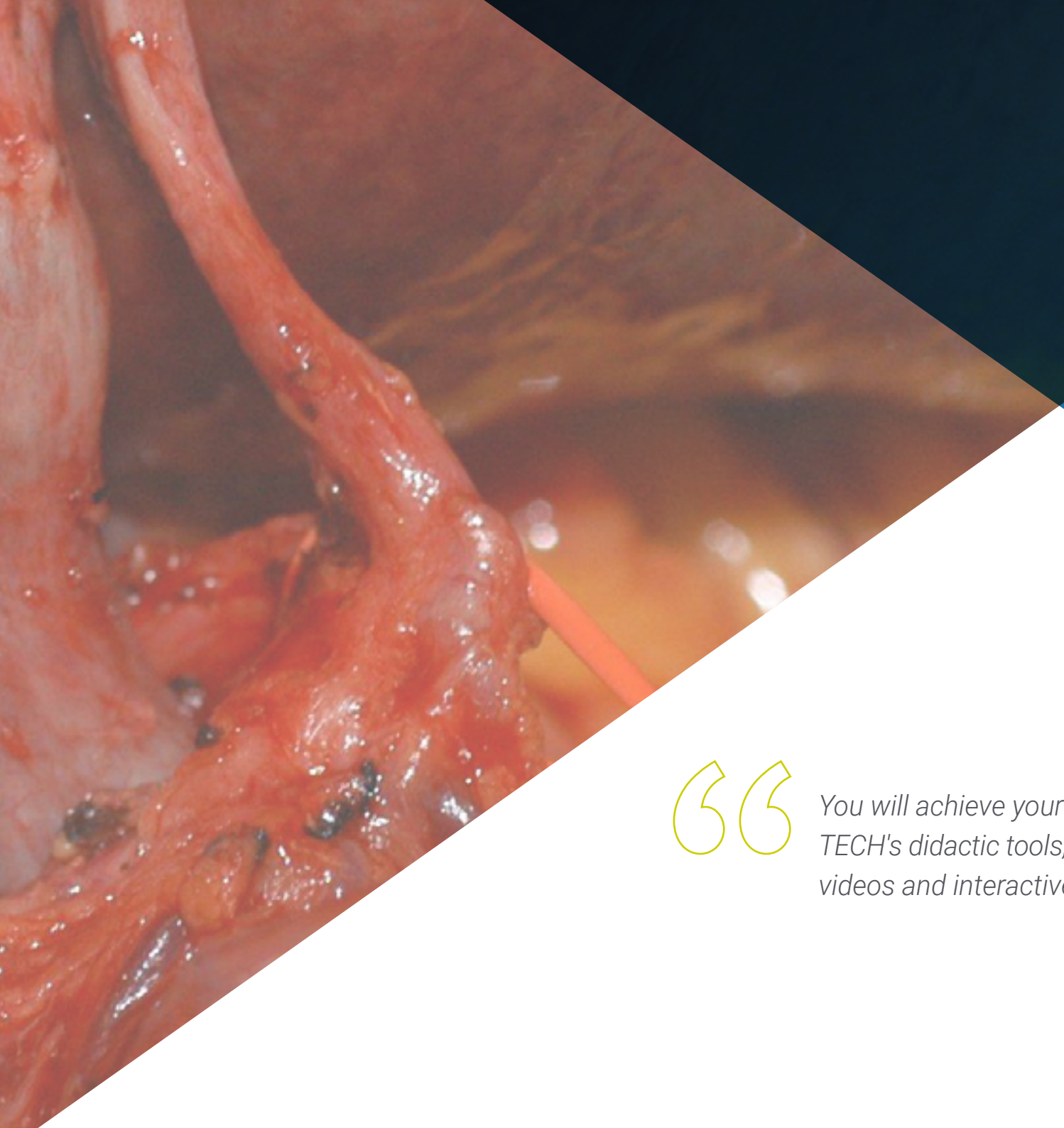
- Establish a thorough understanding of the biological and pathophysiological mechanisms involved in malignant diseases of the bile duct and pancreas, such as pancreatic cancer and cholangiocarcinoma
- Develop skills to identify and classify different types of malignant neoplasms in the biliary tract and pancreas, considering their origin and histological characteristics
- Become familiar with advanced diagnostic techniques, such as computed tomography, magnetic resonance imaging and endoscopy, for accurate and early evaluation of malignant conditions
- Analyze specific risk factors

With the Relearning system you will integrate the concepts in a natural and progressive way"

03

Course Management

The teaching staff of this Postgraduate Certificate is made up of distinguished professionals carefully selected by TECH. This team stands out for its extensive knowledge in malignant pathologies of the biliary tract and pancreas. They also have extensive professional experience after working in renowned hospitals. As a result, the didactic resources of this training program offer the most modern tools available on the healthcare technology market. In this way, the program ensures that graduates have up-to-date and relevant knowledge to apply in their procedures with immediate effect.



You will achieve your objectives thanks to TECH's didactic tools, including explanatory videos and interactive summaries"

International Guest

Surgery and liver transplantation are the fields of research to which the eminent French physician and researcher Eric Vibert has devoted his professional career. For almost three decades, this expert has been involved in the holistic approach to primary liver cancer. Based on these interests, he has positioned himself as a true reference in this field, making significant contributions.

Dr. Vibert also leads a consortium called BOPA, which includes the University Paris-Saclay, the Ecole Mines Telécom and the Hepatobiliary Center of the Paul-Brousse Hospital (AP-HP). The aim of this project is to improve safety in operating rooms. To this end, its innovations are based on digital technologies, in gestation or already existing, which make it possible to increase the range of vision, speech and touch of the medical staff before any type of operation. These contributions, first implemented in simulated surgical rooms, have allowed the validation of multiple disruptive procedures.

In addition, this scientific pioneer is committed to connecting professionals from different fields in order to reinvent surgical practices. That is why his teams bring together engineers and computer scientists, as well as physicians, anesthesiologists, nurses and many other specialists. A work strategy that he continually integrates into his responsibilities and into the leadership of the Department of Surgery and Liver Transplantation at the Paul-Brousse de Villejuif Hospital in Paris.

In terms of academic impact, Dr. Vibert has more than 130 communications at international conferences and 30 plenary lectures. He also has an impressive H-index of 43, having authored 212 publications in first impact journals. He is also the author of the book Droit à l'Erreur, Devoir de Transparence, which deals with transparency and error management in medicine, and is the creator of the Week-End de l'Innovation Chirurgicale, with which he has left an everlasting medical-surgical mark.

Dr. Vibert, Eric

- Chief of Surgery and Liver Transplantation at the Paul-Brousse de Villejuif Hospital, Paris, France
- Head of the Surgical Innovation Group at the University of Paris Sud
- Specialist in Liver and Biliary Tract Cancer Surgery
- Head of the Surgical Innovation Group of GH Paris Sud
- Director of Research, Biomedical/Medical Engineering at the University Paris-Sud
- Creator and Organizer of the Week-End de l'Innovation Chirurgicale
- Doctor of Medicine, St. Antoine Faculty of Medicine, University Paris VI

Thanks to TECH, you will be able to learn with the best professionals in the world"

Management

Dr. Al Shwely Abduljabar, Farah

- Head of the Hepatobiliopancreatic Surgery Unit of the University Hospital of Guadalajara
- PhD in Medicine, University of Alcala
- Specialist in General and Digestive System Surgery at the University Hospital of Guadalajara
- Astellas Fellowship in Hepatobiliopancreatic Surgery and liver and pancreatic transplantation
- Official Master's Degree in Hepatology and Clinical Research at the University of Barcelona
- Official Master's Degree in Medical Expertise and Valuation of Bodily Injury by the University of Barcelona
- Degree in Medicine from the University of Alcalá, Spain
- Reviewer of the Central European Journal of Medicine
- Member of the Spanish Association of Surgeons
- Editor of: Journal of Liver and Clinical Research, EC Orthopaedics, Austin Pancreatic Disorders and Annals of Clinical Cytology and Pathology

Dr. López Marcano, Aylhin

- Physician in the Hepatobiliopancreatic Surgery Unit of the University Hospital of Guadalajara
- PhD in Medicine, University of Alcala
- Specialist in General and Digestive System Surgery
- Graduated from the Luis Razetti School of Medicine
- Degree in Medicine from the Central of Caracas University

Dr. Catalán Garza, Vanessa

- Specialist in General and Digestive System Surgery at the University Hospital of Guadalajara
- Physician at the Clinical Hospital San Carlosl
- Professional in Pediatrics in Clinical Medicine at the Camilo José Cela University
- Degree in Medicine from the University of Zaragoza

Dr. Picardo, María Dolores

- General and Digestive System Surgeon at the University Hospital of Guadalajara
- Director of doctoral theses and final projects at La Paz University Hospital
- R+D+i management and participation in scientific committees
- Teacher in courses and seminars oriented to university teaching training
- Degree in Medicine from the Autonomous University of Madrid
- Member of the Technical-Assistance Board of the Integrated Care Management of Guadalajara

Dr. García Gil, José Manuel

- Specialist in Esophagogastric and Endocrine Surgery at the University Hospital of Guadalajara
- Doctor of General Surgery and Digestive System at the University Hospital of Móstoles
- Professional Master's Degree in Updating in General Surgery and Digestive System by Cardenal Herrera University
- Teaching experience in Emergency Surgical Pathology courses
- Regular attendee at congresses and scientific conferences to update his knowledge
- Member of the Spanish Association of Surgeons

04

Structure and Content

Throughout this program, students will be immersed in an in-depth analysis of malignant conditions affecting these systems. The syllabus will begin with a detailed review of anatomy and physiology, subsequently exploring neoplasms such as pancreatic cancer, cholangiocarcinoma and bile duct tumors. In this sense, students will analyze contemporary therapeutic strategies, from oncological surgeries to multidisciplinary approaches including systemic therapies. In this way, they will be kept abreast of the latest trends in the healthcare field.

Get up to date with novel diagnostic techniques specific to pancreatic diseases with the best experts in the field"

Module 1. Malignant Pathology of the Bile Duct and Pancreas

1.1. Pancreatic ductal adenocarcinoma
- 1.1.1. Features
- 1.1.2. Symptoms
- 1.1.3. Treatment

1.2. Classification of ductal adenocarcinoma according to resectability
- 1.2.1. Types
- 1.2.2. Causes
- 1.2.3. Conclusions

1.3. Multidisciplinary treatment of adenocarcinoma of the pancreas
- 1.3.1. Multidisciplinary team
- 1.3.2. Initial evaluation and staging
- 1.3.3. Surgery

1.4. Surgical Techniques
- 1.4.1. Cephalic duodenopancreatectomy
- 1.4.2. Corporocaudal splenopancreatectomy
- 1.4.3. Cephalic pancreatectomy

1.5. Anatomopathologic study of the pancreatectomy specimen
- 1.5.1. Obtaining the specimen
- 1.5.2. Fixation and processing
- 1.5.3. Histological sections

1.6. Adenocarcinoma of the gallbladder
- 1.6.1. Description
- 1.6.2. Staging of adenocarcinoma of the gallbladder
- 1.6.3. Conclusions

1.7. Treatment of adenocarcinoma of the gallbladder
- 1.7.1. Surgery
- 1.7.2. Chemotherapy
- 1.7.3. Radiotherapy

1.8. Extrahepatic cholangiocarcinoma
  1.8.1. Description
  1.8.2. Diagnosis of extrahepatic cholangiocarcinoma
  1.8.3. Conclusions
1.9. Classification of extrahepatic cholangiocarcinoma
  1.9.1. Types
  1.9.2. Symptoms
  1.9.3. Risk Factors
1.10. Treatment of extrahepatic cholangiocarcinoma
  1.10.1. Surgery
  1.10.2. Chemotherapy
  1.10.3. Radiotherapy

Acquire knowledge without geographical limitations or pre-established timing"

05

Methodology

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

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

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:

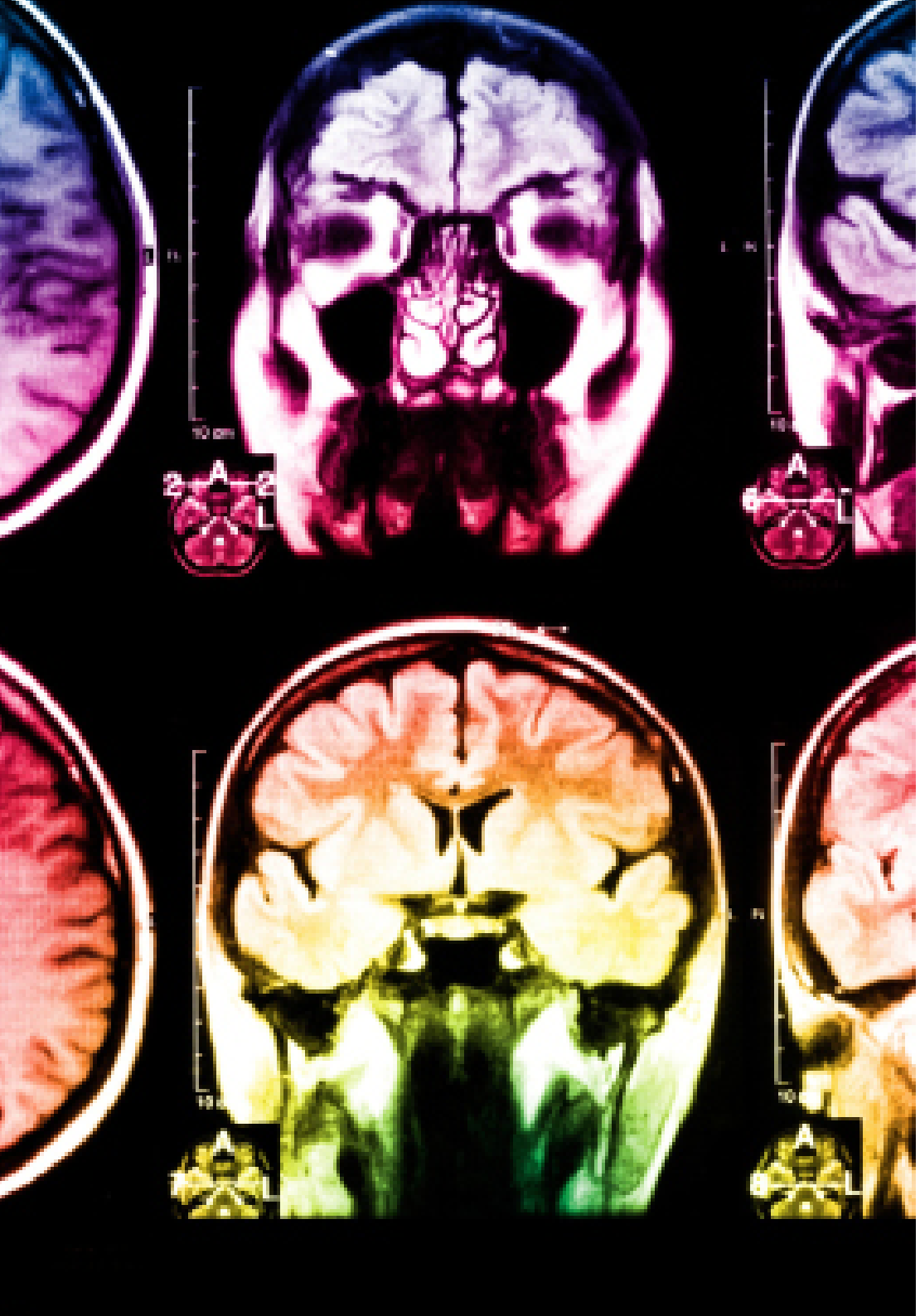
1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

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



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

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

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

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

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

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

Study Material

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

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

Surgical Techniques and Procedures on Video

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

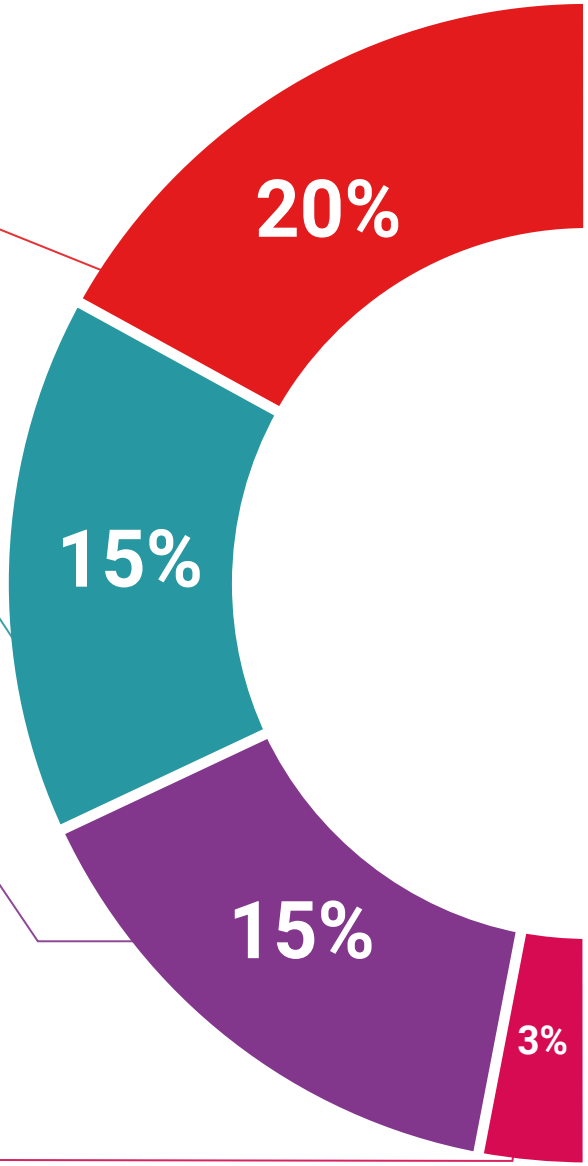
Interactive Summaries

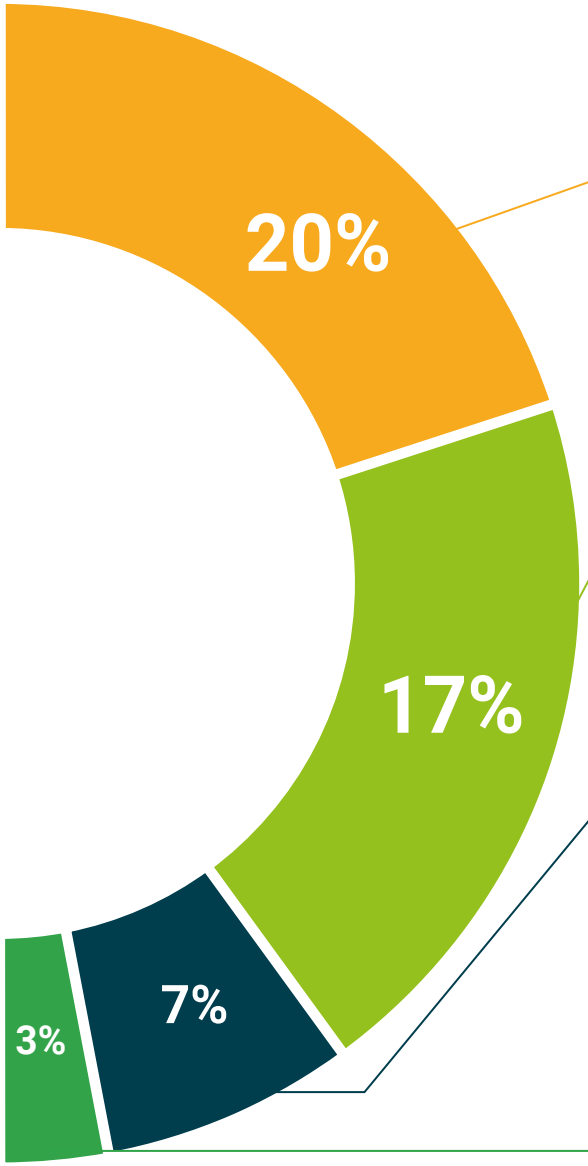
The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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

Additional Reading

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





Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.

06

Certificate

The Postgraduate Certificate in Malignant Pathology of the Biliary Tract and Pancreas guarantees, in addition to the most rigorous and updated training, access to a Postgraduate Certificate issued by TECH Global University.

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

This program will allow you to obtain your **Postgraduate Certificate in Malignant Pathology of the Biliary Tract and Pancreas** 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** title 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 Certificate in Malignant Pathology of the Biliary Tract and Pancreas**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**


tech global university

Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Malignant Pathology of the Biliary Tract and Pancreas

This is a program of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Rector

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*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.

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Postgraduate Certificate

Malignant Pathology of the Biliary Tract and Pancreas

- Modality: **online**
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- Credits: **6 ECTS**
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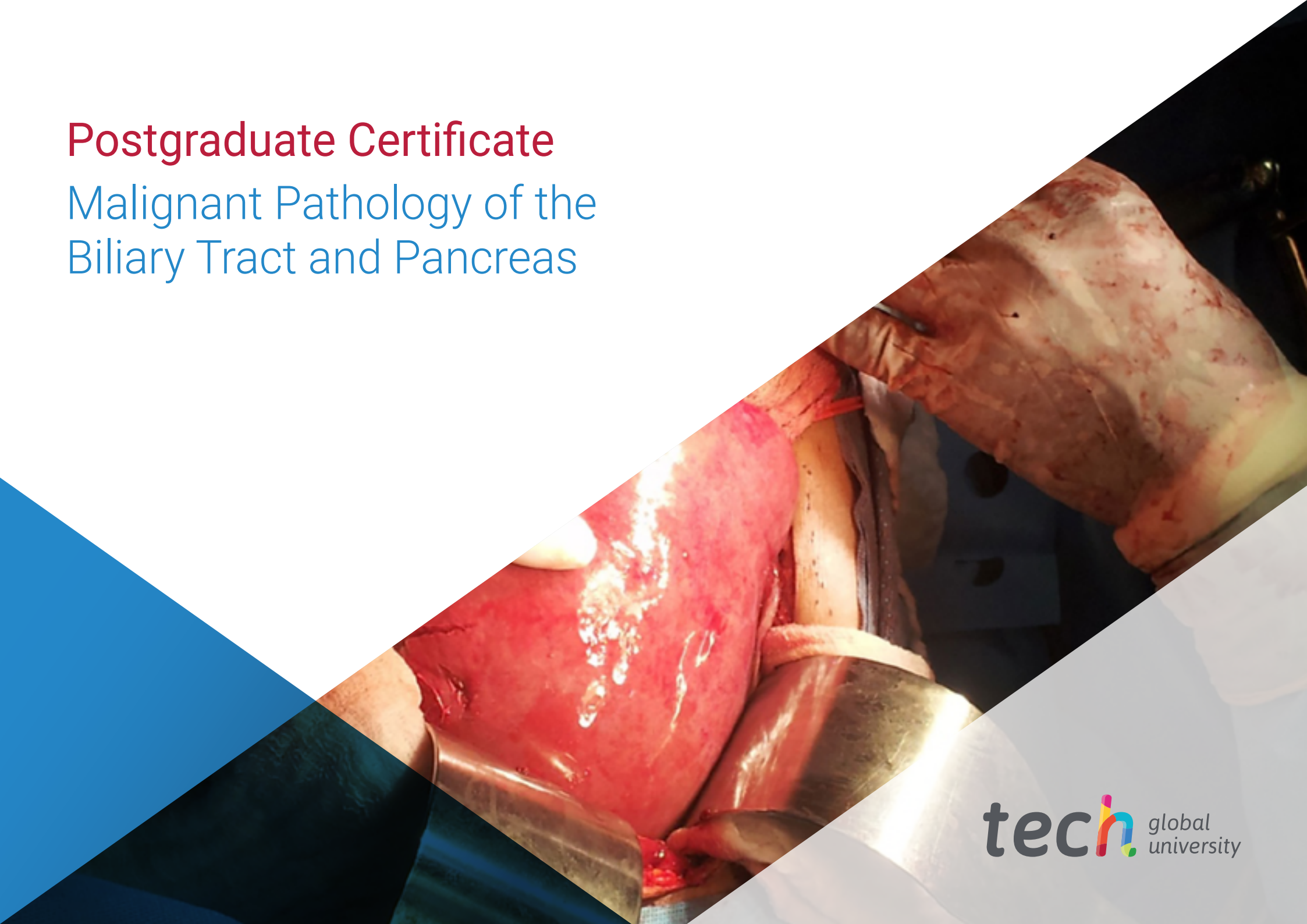
Postgraduate Certificate

Malignant Pathology of the Biliary Tract and Pancreas



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