

Postgraduate Diploma

Treatment, Surgery and Specialized Units
for Inflammatory Digestive Diseases



Postgraduate Diploma Treatment, Surgery and Specialized Units for Inflammatory Digestive Diseases

- » Modality: online
- » Duration: 6 monthst
- » Certificate: TECH Global University
- » Credits: 18 ECTS
- » Schedule: at your own pace
- » Exams: online

Website: www.techitute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-treatment-surgery-specialized-units-inflammatory-digestive-diseases

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01

Introduction

The current prevalence of diseases such as Crohn's disease, ulcerative colitis or perineal pathologies has led to the refinement of techniques and personalized treatments. Thus, given the seriousness and consequences derived from these pathologies, greater patient care has been incorporated through multidisciplinary teams. With all this, beneficial results have been obtained in the evolution of the disease. Against this backdrop, TECH Global University offers medical professionals a complete update of their knowledge on robotic surgery, the latest surgical techniques and coordination between specialized areas. All this, through a syllabus with a theoretical-practical vision and high quality content.





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This 100% online University Expert provides you with the most updated vision on surgical treatments for inflammatory bowel diseases”

Surgical treatments remain a fundamental pillar in the therapeutic pyramid of inflammatory bowel diseases. Thus, in recent years, new technologies have improved the techniques and equipment with which interventions are performed. This has favored both the treatment and the postoperative period, as well as the patient's quality of life. However, the affectation of these pathologies goes beyond the physical ailment and that is why multidisciplinary has been incorporated in the approach to this type of patients.

A scenario, where innovation is combined with the coordination of different specialties, to offer the patient better care from diagnosis to the final evolution of the pathology. Faced with this new reality, TECH Global University offers medical professionals an excellent opportunity to update their knowledge in Treatment, Surgery and Specialized Units for Inflammatory Digestive Diseases.

All this, in only 6 months and through a 100% online university program. In this way, professionals will learn about the latest advances in surgical treatments, the management of patients in special situations, as well as the different units involved in their treatment.

A theoretical-practical approach to teaching provided by extensive multimedia didactic resources. In addition, thanks to the Relearning system, specialists can progressively advance through the study plan and reduce the long hours of memorization.

This academic institution offers a flexible university degree that you can access conveniently whenever and wherever you want. Students only need an electronic device with an Internet connection to be able to visualize, at any time, the contents hosted on the virtual platform. With no classroom or scheduled classes, this program is an ideal option for professionals seeking to keep up to date in the management of patients with inflammatory digestive diseases, while at the same time making their daily activities compatible.

This **Postgraduate Diploma in Treatment, Surgery and Specialized Units for Inflammatory Digestive Diseases** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of clinical cases presented by experts in Digestive Medicine
- ♦ 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
- ♦ News on treatment, surgery and specialized units for inflammatory digestive diseases
- ♦ Practical exercises where the self-assessment process can be carried out to improve learning
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ 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



We offer you high quality training in a 100% online format, making it easy for you to study”

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This University Expert will allow you to learn about the main databases and clinical trials carried out with patients with inflammatory digestive diseases”

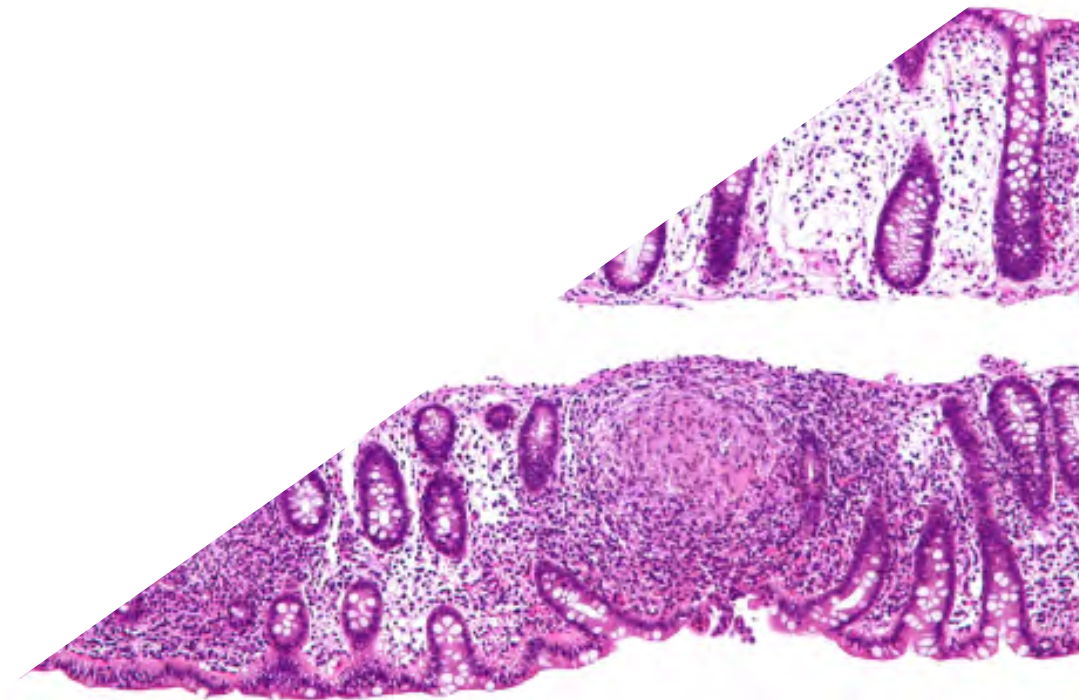
You will have 24/7 access to an excellent library of multimedia resources.

With this university degree you will be able to deepen in the main complications after an intervention in patients with digestive pathologies.

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.

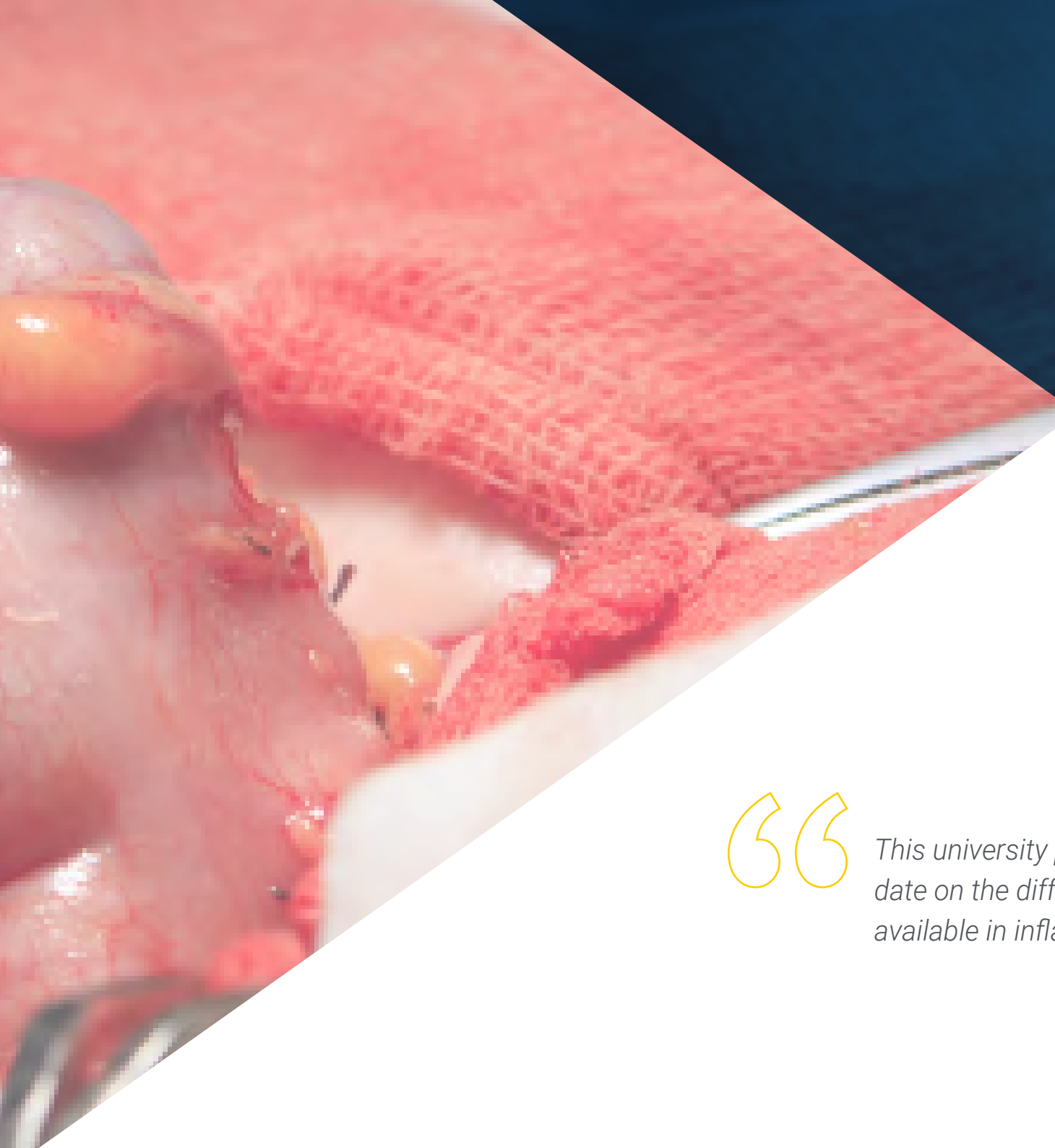
The design of this program focuses on Problem-Based Learning, by means of which the professional must try to solve the different professional practice situations that are presented throughout the academic course. For this purpose, the student will be assisted by an innovative interactive video system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



02 Objectives

The current need to incorporate the latest surgical treatments in the approach to patients with inflammatory digestive diseases has led TECH Global University to create this degree. Thus, the main objective is to ensure that professionals obtain the latest information on comprehensive care for this type of patient. To this end, they are provided with multimedia resources and clinical case studies, which will allow them to integrate the latest techniques and methodology into their daily practice.





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This university program will bring you up to date on the different biologic drug options available in inflammatory bowel disease”



General Objectives

- ♦ Update the knowledge of the origin, as well as the current scientific state of diagnosis and treatment of inflammatory bowel disease
- ♦ Manage nutritional and psychological aspects of the disease
- ♦ Manage different situations of this disease throughout life (childhood, senescence, pregnancy, lactation, controlled disease or outbreaks)
- ♦ Set up and manage specialized units for the management of Inflammatory Bowel Disease, creating teams composed of nurses, administrative personnel and physicians from other specialties such as radiologists, surgeons, pathologists, nutritionists or psychologists, among others





Specific Objectives

Module 1. Inflammatory Bowel Disease Treatment

- ♦ Manage non-biologic systemic treatment in the different phases of Inflammatory Bowel Disease
- ♦ Master the different biologic drug options available in inflammatory bowel disease
- ♦ Optimize treatment according to available clinical guidelines
- ♦ Know management of medical treatment of patients in special situations (lactation, pregnancy, extraintestinal manifestations, etc.)

Module 2. Inflammatory Bowel Disease Surgery

- ♦ Delve into the current indications according to clinical guidelines for surgical treatment in patients with Inflammatory Bowel Disease
- ♦ Specialize in the different surgical techniques available
- ♦ Be aware of the complications that may occur, as well as the medical management of recurrence prevention in previously operated patients
- ♦ Manage surgical indications in special situations, mainly perianal pathology
- ♦ Point out innovations in surgical approach techniques in patients with Inflammatory Intestine Disease

Module 3. Inflammatory Bowel Disease Specialty Care Units

- ♦ To deepen the structure, both physical and human resources, necessary to establish a Specialized Care Unit to patients with Inflammatory Bowel Disease
- ♦ Differentiate the different services involved in the care of these patients
- ♦ Establish protocols for action in special clinical situations
- ♦ Manage such a unit, regardless of the size of its work center



You have clinical case studies that will bring you closer to the current reality in the specialized treatment of patients with inflammatory bowel diseases”

03

Course Management

The detailed videos, multimedia material and real clinical examples of this University Expert have been created by a team of professionals with extensive experience and distinction in the field of Digestive Medicine. This gives them a rigorous depth to the entire syllabus, giving specialists access to practical examples and videos in detail that are unique in the academic field.





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*You will have the opportunity to deepen
in the most advanced treatments and
surgery in Inflammatory Digestive
Diseases by the best experts in the field”*

International Guest Director

Considered as one of the best doctors by the Castle Connolly, Dr. Gil Melmed is a renowned Gastroenterologist highly specialized in the approach of Inflammatory Bowel Diseases. In this way, he has developed most of his career in health entities of international reference among which stands out the Cedars-Sinai Medical Center in California.

Among his main achievements, he has used innovative Computer Aided Detection devices in multiple colonoscopies. Therefore, he has demonstrated that these technological tools pertaining to Artificial Intelligence can significantly increase the identification of Adenomas or Polyps and improve the prevention of Colorectal Cancer. Along the same lines, he has promoted the IBD QORUS Quality Improvement Program, focused on the implementation of excellent practices and quality standards in the treatment of patients with Inflammatory Bowel Disease. Thanks to this, it has managed to optimize both medical results and user experience.

He also balances this work with his role as a clinical researcher. In fact, he has developed numerous studies focused on subjects such as new treatments for the management of chronic inflammation of the intestine, cutting-edge procedures aimed at perfecting postoperative care or techniques that ensure that individuals' responses to vaccines are effective and safe. Consequently, he has spearheaded a number of sophisticated strategies that have enabled individuals to experience adequate recovery following their surgical procedures.

Committed to the advances in this health field, he participates as a speaker in different international scientific congresses. There he has shared his experience using advanced diagnostic tests, such as Balloon Enteroscopy. He has also increased the knowledge of health professionals on the most optimal methods to treat Crohn's Disease and Ulcerative Colitis.



Dr. Melmed, Gil

- Director of Clinical Trials at the Center for Inflammatory Bowel Diseases at Cedars-Sinai Medical Center in Los Angeles, California
- President of the American Gastroenterological Association's Committee on Inflammatory Bowel Diseases
- Clinical Investigator at Cedars-Sinai Medical Center
- Editor of the "American Journal of Gastroenterology"
- Residency at Cedars-Sinai Medical Center
- M.D. from Albert Einstein College of Medicine
- Master of Science in Clinical Research, University of California, California
- B.S. in Medical Sciences, University of Pennsylvania
- Fellowship in Gastroenterology from University of California
- Board Certified by the American Board of Internal Medicine
- Crohn's and Colitis Foundation National Scientific Advisory Board
- Co-Chair of the IBD QORU Quality Improvement Program



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

04

Structure and Content

The syllabus of this University Expert has been designed to provide over 450 teaching hours, the most relevant information on the diagnosis, treatment and monitoring of inflammatory diseases in digestive medicine. All through a syllabus with a current and innovative vision, supported by multimedia pills, essential readings and case study simulations. In addition, thanks to the Relearning method, the professionals will be able to progress through the program in a more natural and progressive way, even reducing the long hours of study.



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*A degree with which you will be up to date
on vaccination recommendations in patients
with Inflammatory Digestive Disease”*

Module 1. Inflammatory Bowel Disease Treatment

- 1.1. Aminosalicylates
- 1.2. Systemic and Topical Corticosteroids
- 1.3. Immunomodulators and Immunosuppressants
- 1.4. Biological Treatments: Anti-TNF
- 1.5. Biological Therapies: Other Therapeutic Targets
- 1.6. Immunogenicity of Biological Treatments
- 1.7. Optimization of Treatment in Inflammatory Bowel Disease
- 1.8. Strategies in the Introduction, Maintenance and Discontinuation of Biologic Treatments
- 1.9. Other treatments
 - 1.9.1. Antibiotics
 - 1.9.2. Supplements
 - 1.9.3. Probiotics and Prebiotics
 - 1.9.4. Miscellaneous
- 1.10. Treatment in Special Situations
 - 1.10.1. Pregnancy
 - 1.10.2. Nursing
 - 1.10.3. Extraintestinal Manifestations

Module 2. Inflammatory Bowel Disease Surgery

- 2.1. Indications for Surgical Treatment in Ulcerative Colitis
- 2.2. Indications for Surgical Treatment in Crohn's Disease
- 2.3. Indications for Surgical Treatment in Perianal Pathology
- 2.4. Surgical Techniques in Inflammatory Bowel Disease
- 2.5. Reservoir Pathology
- 2.6. Stomata Types and Management
- 2.7. Medical Treatment After Surgery in Inflammatory Bowel Disease
- 2.8. Complications of Surgical Treatment in Inflammatory Bowel Disease
- 2.9. Robotic Surgery in Inflammatory Bowel Disease
- 2.10. Single Port Surgery in Inflammatory Bowel Disease





Module 3. Inflammatory Bowel Disease Specialty Care Units

- 3.1. Inflammatory Bowel Disease Specialty Nurses
- 3.2. Hospital units of Inflammatory Bowel Disease
- 3.3. Units of Inflammatory Bowel Disease
- 3.4. Inflammatory Bowel Disease Specialty Care Units
- 3.5. Vaccination recommendations in patients with Inflammatory Bowel Disease
- 3.6. Pregnancy and Inflammatory Bowel Disease
- 3.7. Lactation and Inflammatory Bowel Disease
- 3.8. Geriatrics and Inflammatory Bowel Disease
- 3.9. Multidisciplinary teams in the care of patients with Inflammatory Bowel Disease
- 3.10. Intercenter relations. Databases and clinical trials in Inflammatory Bowel Disease

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Enter, comfortably when you wish, in the single port surgery in Inflammatory Digestive Disease”

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.



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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.

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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 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 Diploma in Treatment, Surgery and Specialized Units for Inflammatory Digestive Diseases guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Global University.



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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 Diploma in Treatment, Surgery and Specialized Units for Inflammatory Digestive Diseases** 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 Diploma in Treatment, Surgery and Specialized Units for Inflammatory Digestive Diseases**

Modality: **online**

Duration: **6 months**

Accreditation: **18 ECTS**



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

future

health confidence people

education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present online

development language

virtual classroom

tech global
university

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