

Postgraduate Certificate

Digestive Pathology in the Complex Chronic Patient





Postgraduate Certificate Digestive Pathology in the Complex Chronic Patient

- » Modality: Online
- » Duration: 6 weeks
- » Certificate: TECH Technological University
- » Schedule: at your own pace
- » Exams: online

Website: www.techtitute.com/us/medicine/postgraduate-certificate/digestive-pathology-complex-chronic-patient

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01

Introduction

One of the most important aspects in Medicine referring to Complex Chronic Patients is the relationship between Digestive Pathologies and Polypharmacy. Some medications used to treat Functional Intestinal Disorders may generate side effects that could exacerbate the symptoms of these conditions. For example, certain antibiotics cause constipation and fecal incontinence. As such, it is important for physicians to evaluate whether the drugs taken are related or contribute to these symptoms. In view of this, TECH has implemented an innovative program that covers drug interactions for conditions such as Chronic Acquired Megacolon. And all with a 100% online format to adapt to professional schedule of busy professionals.





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You will master the use of Proton Pump Inhibitors to combat excess Gastric Acid with this 100% online university program"

In the context of Digestive Pathologies, endoscopic studies are extremely useful for specialists to make accurate diagnoses. Likewise, such procedures help determine both the severity and extent of conditions in the gastrointestinal tract. Along the same lines, these tools allow planning the most advanced treatments for disease management. However, in order to properly plan anticoagulation testing, physicians must take into account a multitude of factors. These include the assessment of bleeding risk and the continuous monitoring of coagulation levels in the blood.

In order for professionals to perform the most rigorous and accurate endoscopic examinations, TECH has developed a very complete Postgraduate Certificate that includes an exhaustive guide for clinical practice. Therefore, the curriculum has the support of a teaching staff with extensive experience in this health field. In addition, the syllabus includes details of the most common Functional Digestive Disorders in society, including Dyspepsia. Also, the didactic materials allow the physician to delve into procedures such as Gastronomy, Colostomy and Ileostomy. Also, after completing this academic itinerary, the graduates master the techniques that allow the alternative exit of body wastes, such as feces or urine.

The program has a 100% online delivery, allowing students to enter the program comfortably. In this way, the only thing students will need is a device with Internet access to expand their knowledge and become an expert in Digestive Pathologies applied to Complex Chronic Patients. In this sense, the program offers its students the most avant-garde methodology in the current market: *Relearning*. This teaching system is based on the reiteration of the most important contents to guarantee a natural learning process capable of lasting in the students' memory.

This **Postgraduate Certificate in Digestive Pathology in the Complex Chronic Patient** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ The development of case studies presented by experts in Complex Chronic Patients
- ♦ 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



You will gain a thorough understanding of Ogilvie Syndrome and manage the underlying medical conditions that may be contributing to its symptomatology”

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Do you want to specialize in dealing with Cirrhosis? Get access to the most innovative treatments to prevent liver damage through this 150-hour program"

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

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 education programmed to learn 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 during the academic year. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

You will delve into the complications derived from Ostomies in multi-pathological patients and provide the most effective medical care.

You will integrate all the knowledge in an optimal way to successfully achieve the results you are looking for thanks to TECH's revolutionary Relearning methodology.



02 Objectives

Thanks to this university program, the physician will recognize, diagnose and manage the main diseases of the digestive system that affect Complex Chronic Patients. In this way, they will establish therapeutic protocols according to the characteristics and needs of each individual. In addition, they will acquire a holistic and integral vision with which they will approach the clinical aspect. In this way, specialists will be highly qualified to overcome the challenges of digestive disorders during their professional practice.





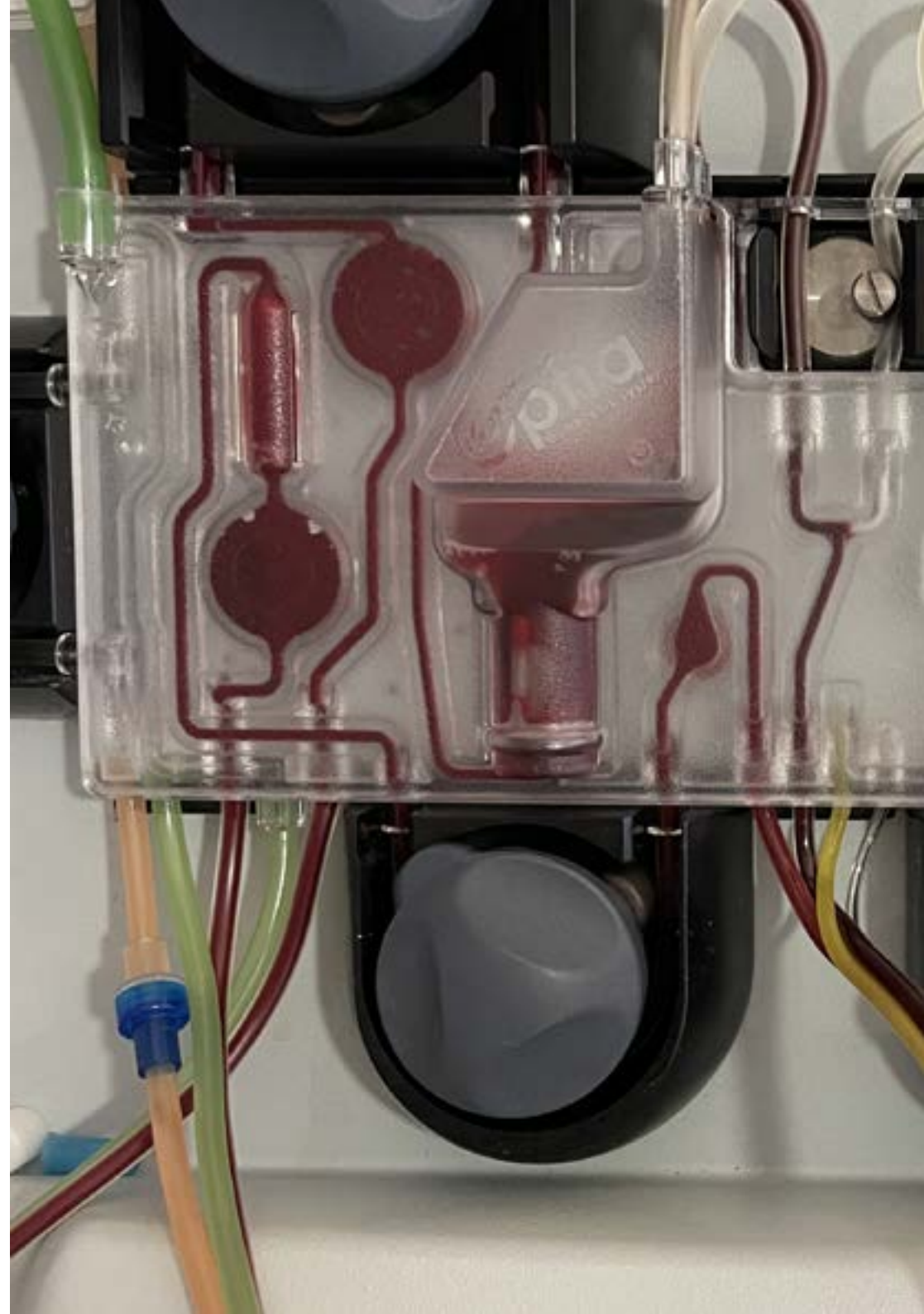
“

You will develop the most advanced diagnostic strategies and implement therapeutic processes that adapt to the clinical diversity of individuals with Chronic Digestive Pathologies”



General Objectives

- ♦ Examine the medical problems common to most chronic and complex patients
- ♦ Present complementary therapies to the pharmacological approach
- ♦ Delve into the legal basis and bioethical aspects of the care of patients with chronic illnesses
- ♦ Provide a rationale for the Comprehensive Geriatric Assessment (CGA) as a set of tools that allow a diagnostic approach to the complex chronic patient
- ♦ Analyze the main Geriatric Syndromes and their clinical and social importance
- ♦ Assess the incidence and prevalence of nephro-urological diseases in chronic patients
- ♦ Analyze gastrointestinal diseases in patients with chronic medical conditions
- ♦ Investigate, analyze and propose comprehensive strategies for understanding and improving the management of infectious diseases in patients with complex chronic pathology
- ♦ Adequately define endocrinological pathology in chronic and complex patients
- ♦ Seek strategies that improve the patient's quality of life, minimizing the limitations imposed by the disease and its treatments
- ♦ Develop comprehensive care strategies that respond to patients' needs and improve their quality of life
- ♦ Delve into different models of health care for complex chronic patients





Specific Objectives

- Recognize, diagnose and guide the management of the main pathologies of the digestive system in the chronic complex patient
- Identify the key aspects of the different pathologies of the digestive system, taking into account the characteristics of the chronic and complex patient
- Transfer the knowledge of digestive pathology in the chronic and complex patient to the student's clinical practice



With the best rated learning assistance methods in online teaching, this program will allow you to Increase your competences in a fluid, constant and efficient manner"

03

Course Management

This Postgraduate Certificate has a distinguished and highly qualified faculty, who have extensive experience in the field of Digestive Pathology in Complex Chronic Patients. Their trajectory in various leading hospitals is reflected throughout the program, which has included the most innovative procedures that they themselves apply in their daily clinical practice. In its firm commitment to provide quality education, TECH guarantees students a deep and complete knowledge, as well as the most effective strategies for the full development of their capabilities.





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Get updated in intestinal diseases from the best experts in the field. Boost your professional career with TECH!”

International Guest Director

Awarded by the American Society of Addiction Medicine for his research in this field, Robert W. Kirchoff is considered a prestigious physician specialized in the approach to Substance Use Disorders. In this sense, he has developed most of his career in health institutions of international reference, such as the Mayo Clinic Hospital in Minnesota or the Saint Joseph Mercy Health System in Michigan.

Among his main achievements, his great contribution to the foundation of the Laboratory of Informatics and Machine Learning stands out. In this way, he has contributed significantly to the improvement of hospital resources through Predictive Analytics. He has also used this technological tool belonging to Artificial Intelligence to identify patients at risk of drug dependence and relapse. As a result, it has enabled numerous users to acquire advanced coping strategies in order to avoid drug use.

It should be noted that he balances this work with his facet as a clinical researcher. In this regard, he has an extensive production on subjects such as the applications of Big Data to the field of medicine, the most innovative pharmacological treatments to combat alcohol addiction, translational informatics applied to individuals with psychological disorders, techniques to prevent drug abuse or cutting-edge methodologies for the treatment of drug addiction.

On the other hand, in his firm commitment to the advancement of medical technology, he regularly participates as a speaker at scientific congresses and symposiums on an international scale. Thanks to this, he has facilitated the health community to have a greater knowledge of drug-assisted therapies for chemical dependency. In turn, he has enabled specialists to acquire the skills to get the most out of Clinical Bioinformatics and to optimize both their diagnostics and disease management considerably.



Dr. Kirchoff, Robert W.

- ♦ President for Research at Mayo Clinic Hospital in Minnesota, United States
- ♦ Medical Director at Foundations Detroit
- ♦ President of the American Society for Addiction Medicine
- ♦ Founder of the Laboratory of Informatics and Machine Learning at Mayo Clinic Hospital
- ♦ Attending Physician at Saint Joseph Mercy Health System in Michigan
- ♦ Master of Science in Medical Informatics from The Johns Hopkins University School of Medicine
- ♦ Bachelor of Arts, Biology and Chemistry from Albion College
- ♦ Internal Medicine Resident Physician at Wayne State University School of Medicine
- ♦ General Surgery Residency at Mayo Clinic Hospital
- ♦ Board Certified by the American Board of Internal Medicine
- ♦ Fellow of the American Board of Preventive Medicine



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

Management



Dr. Romero Pareja, Rodolfo

- Specialist in Family and Community Medicine
- Medical Director at the Emergency Hospital Nurse Isabel Zendal
- Area Physician, Emergency Department, at the University Hospital of Getafe
- Collaborator of working groups in programs of Medicine; Health Management and Planning for Health Managers; and Emergency and Critical Care
- Doctor of Medicine, University of Oviedo
- Master's Degree in Emergency Medicine from the Complutense La University of Madrid
- Master in Medical Management and Clinical Management by the National School of Health, Instituto Salud Carlos III and Universidad Nacional Educación a Distancia
- Degree in Medicine and Surgery from the Complutense University of Madrid



Dr. Tejedor López, Luis

- ♦ Specialist in Geriatrics
- ♦ Specialist Physician in Geriatrics, Emergency Hospital Nurse Isabel Zandal
- ♦ Medical Case Manager. HealthMotiv S.L
- ♦ President of the MIR Association Spain
- ♦ Master's Degree in Support Treatment and Palliative Care in Oncology Patients, Isabel I University
- ♦ MBA in Health Management and Administration from the European School of Health Education
- ♦ Medical Specialist in Geriatrics via MIR
- ♦ Degree in Medicine from the University of Navarra

Professors

Dr. Molina Báez, Manuel

- ♦ Specialist in Internal Medicine
- ♦ Resident Physician of the Internal Medicine Department, at the Hospital Universitario de La Princesa
- ♦ Internal Medicine Specialist in the Functional Rehabilitation Unit, at the Emergency Hospital Nurse Isabel Zandal
- ♦ Specialist in Internal Medicine at the Hospital General Universitario Gregorio Marañón, Madrid
- ♦ Researcher in the Prevalence Study of Nosocomial Infections in Spain (EPINE)
- ♦ Master ESTHER HIV, Universidad Rey Juan Carlos, Madrid
- ♦ Graduate in Medicine from the University of Extremadura

04

Structure and Content

This program will delve into the pathology of the digestive system in Complex Chronic Patients, through a multidisciplinary approach. For this purpose, the syllabus will analyze the most common gastrointestinal conditions, starting from the difficulty conferred by the pluripathology and comorbidity inherent to these patients. In turn, the didactic materials will offer both the diagnostic methods and the necessary treatments to be taken into account in diseases such as Dyspepsia, Pancreatitis or Hiatus Hernias. The most advanced therapeutic strategies to guarantee an improvement in the quality of life and well-being of these users will also be addressed.





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Your work practice will be enriched by a multidisciplinary approach, which will allow you to provide personalized and high quality care to Complex Chronic Patients”

Module 1. Digestive Pathology in the Complex Chronic Patient

- 1.1. Esophageal Pathology in the Complex Chronic Patient
 - 1.1.1. Management of Esophageal Motor Disorders in the Complex Chronic Patient
 - 1.1.2. Management of Gastro-esophageal Reflux Disease in Complex Chronic Patients
 - 1.1.3. Other Esophageal Pathologies in the Complex Chronic Patient
- 1.2. Dyspepsia and Gastropathies in the Complex Chronic Patient
 - 1.2.1. Management of Dyspepsia in Complex Chronic Patients
 - 1.2.2. Management of Gastropathies in Complex Chronic Patients
 - 1.2.3. Management of Hiatal Hernia and Other Gastric Anatomical Disorders in the Chronic Patient
 - 1.2.4. Management of Gastric Emptying Disorders in the Complex Chronic Patient
- 1.3. Pancreatic and Biliary Pathology in the Complex Chronic Patient
 - 1.3.1. Management of Jaundice and Cholestasis in the Complex Chronic Patient
 - 1.3.2. Management of Pancreatitis in Complex Chronic Patients
 - 1.3.3. Management of Cholelithiasis and Choledocholithiasis in the Pluripathological Patient
- 1.4. Hepatic Pathology in the Complex Chronic Patient
 - 1.4.1. Management of Toxic-Drug Hepatitis in the Complex Chronic Patient
 - 1.4.2. Management of Cirrhosis in the Pluripathological Patient
 - 1.4.3. Liver Transplant in the Complex Chronic Patient
- 1.5. Intestinal Pathology in the Complex Chronic Patient
 - 1.5.1. Management of Intestinal Ischemia in Complex Chronic Patients
 - 1.5.2. Diarrhea and Malabsorption in the Pluripathologic Patient
 - 1.5.3. Inflammatory Bowel Disease in the Complex Patient
- 1.6. Gastrostomy, Colostomy and Ileostomy in the Complex Chronic Patient
 - 1.6.1. Ostomies in the Complex Chronic Patient
 - 1.6.2. Ostomy Care
 - 1.6.3. Complications of Ostomies in the Pluripathological Patient



- 1.7. Constipation and Fecal Incontinence in the Complex Chronic Patient
 - 1.7.1. Constipation in the Complex Chronic Patient
 - 1.7.2. Acquired Chronic Megacolon and Ogilvie's Syndrome
 - 1.7.3. Management of Fecal Incontinence in the Pluripathological Patient
- 1.8. Functional Digestive Disorders in the Complex Chronic Patient
 - 1.8.1. Management of Esophageal Functional Disorders in the Complex Chronic Patient
 - 1.8.2. Management of Functional Gastroduodenal Disorders in the Complex Chronic Patient
 - 1.8.3. Management of Functional Bowel Disorders in the Complex Chronic Patient
- 1.9. Digestive Pathology and Polypharmacy in the Complex Chronic Patient
 - 1.9.1. Use of Proton Pump Inhibitors (PPIs) in the Chronic Patient Side Effects
 - 1.9.2. Anticoagulation and Gastrointestinal Bleeding in the Chronic Patient
 - 1.9.3. Diagnosis and Management of Deficiency Anemia in the Complex Patient
- 1.10. Endoscopic Procedures in the Complex Chronic Patient
 - 1.10.1. Endoscopic Study in the Chronic and Complex Patient
 - 1.10.2. Planning of Anticoagulation Studies. Suspension of Anticoagulation in the Chronic-Complex Patient
 - 1.10.3. Complications in Endoscopic Procedures



*Looking for dynamic learning?
Access a library full of multimedia
resources in different formats
such as interactive summaries,
thanks to this innovative program"*

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 Certificate in Digestive Pathology in the Complex Chronic Patient guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Certificate issued by TECH Technological University.



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

This **Postgraduate Certificate in Digestive Pathology in the Complex Chronic Patient** contains the most complete and up-to-date scientific on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Certificate** issued by **TECH Technological University** via tracked delivery*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Certificate, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Certificate in Digestive Pathology in the Complex Chronic Patient**

Official N° of Hours: **150 h.**



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

future

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education information tutors

guarantee accreditation teaching

institutions technology learning

community commitment

personalized service innovation

knowledge present quality

development languages

virtual classroom

tech technological
university

Postgraduate Certificate
Digestive Pathology in the
Complex Chronic Patient

- » Modality: online
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Postgraduate Certificate

Digestive Pathology in the Complex Chronic Patient

