

# Postgraduate Certificate

## Major Outpatient Abdominal Wall Surgery





## Postgraduate Certificate Major Outpatient Abdominal Wall Surgery

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

Website: [www.techtute.com/us/medicine/postgraduate-certificate/major-outpatient-abdominal-wall-surgery](http://www.techtute.com/us/medicine/postgraduate-certificate/major-outpatient-abdominal-wall-surgery)

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# 01

# Introduction

Major Outpatient Abdominal Wall Surgery is an increasingly demanded surgical procedure nowadays. In order to provide medical specialists with the most up-to-date education in this field, TECH has designed the ideal program for these professionals to expand their knowledge. This 100% online course focuses on providing a complete and rigorous education on the most effective surgical techniques in the ventral wall, including patient selection and care. In addition, it has an innovative pedagogical methodology based on *Relearning*. All this from flexible academic resources that allow students to organize their learning at their own pace and from any device with an Internet connection.





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*Enroll with TECH and master the most advanced surgical technique with this Postgraduate Certificate in Major Outpatient Abdominal Wall Surgery”*

The abdominal wall surgery is an important field within the general surgical procedures, which is in charge of the treatment of pathologies that affect the abdominal wall, such as hernias, tumors, among others. It is a fundamental area since the abdominal wall protects the vital organs located in the abdomen, so different alterations in this area can have serious consequences.

In this context, it is necessary to have professionals qualified in Outpatient Surgery of the peritoneal area, who can handle the latest techniques and the most effective interventions in patient care. That is why this program is created, with the aim of offering specialized education in this area.

This Postgraduate Certificate focuses on teaching qualified professionals to perform abdominal outpatient surgery safely and effectively. Students will learn how to treat lumbar hernias, among others, all under the highest scientific rigor and with the latest evidence on the use of certain techniques and diagnostics.

This program is taught in a 100% online format, which allows participants to access the contents and teaching resources from anywhere and at any time, using the Relearning pedagogical methodology, which is based on active and collaborative learning, and focuses on the practical application of the knowledge acquired. Participants will also have the flexibility to organize academic resources according to their needs.

This **Postgraduate Certificate in Major Outpatient Abdominal Wall Surgery** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ Practical cases presented by experts in Major Outpatient Abdominal Wall Surgery
- ♦ 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 self-assessment can be used 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



*Do you need flexibility in your study schedule? This online program adapts to your life rhythm”*

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*Do you want high-level academic education without leaving home? This Postgraduate Certificate is the solution!”*

The program's teaching staff includes professionals from the sector who bring to this program the experience of their work, as well as renowned specialists from reference 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.

*Enroll with TECH to improve your surgical practice and get access to important positions in the medical sector.*

*Enroll now to learn everything related to the classification of prosthetic materials.*



# 02

# Objectives

The main objective of this Postgraduate Certificate is to train the surgeon with the most up-to-date surgical techniques to perform the most relevant major outpatient procedures. In this way, it seeks to impart knowledge in the most effective procedures in the care and selection of the patient. To achieve this goal, TECH has designed state-of-the-art pedagogical tools, using the most advanced technology available in the educational field to put them at the disposal of the students. For this reason, TECH has established a series of general and specific objectives for the satisfaction of future graduates, as follows.







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*Enjoy flexible online education that allows you to organize your academic resources in an autonomous way”*



## General Objectives

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- Delve into the different pathologies approached in Major Outpatient Surgery
- Delve into the anatomy and physiology necessary to understand the main procedures in Major Outpatient Surgery
- Delve deeper into the main surgeries in Major Outpatient Surgery
- Improve knowledge on the need for antibiotic prophylaxis in Major Outpatient Surgery
- Provide the tools to know how to manage the thromboembolic approach in Major Outpatient Surgery





## Specific Objectives

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- ◆ Explore the abdominal wall anatomy
- ◆ Describe the most prevalent types of abdominal wall hernias
- ◆ Emphasize the importance of abdominal wall management in Major Outpatient Surgery
- ◆ Delve into the surgical treatment indicated for each type of wall hernia



*You will achieve your goals thanks to our tools, and you will be accompanied along the way by leading professionals"*

03

# Course Management

The direction and teaching staff of this Postgraduate Certificate is in charge of authentic specialists in General and Digestive System Surgery, Thoracic Surgery and various medical specialties. A multidisciplinary team with an extensive clinical and research career that is reflected in the complete syllabus of this program. Therefore, the graduate will obtain a direct and exhaustive vision of the latest advances in surgical techniques used by renowned experts.





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*With TECH you will  
have access to the best  
multichannel resources  
at any time of the day”*

## Management



### Dr. Palacios Sanabria, Jesús Enrique

- Specialist of General Surgery at the Basic General Hospital of Baza-Granada
- General Surgeon in the Bariatric and Metabolic Surgery team at the Canabal Clinic
- General Surgeon at the IDB Clinic in Barquisimeto
- Professor in the Minor Surgery Course at the Andalusian Health Service
- Medical Surgeon by the 'Lisandro Alvarado' Central Western University
- Specialist in General Surgery at the 'Lisandro Alvarado' Central Western University
- Master's Degree in General Surgery and Digestive System Updating



# 04

## Structure and Content

The Postgraduate Certificate has been designed to offer medical professionals the most current information on surgical and diagnostic techniques in patients with abdominal wall pathologies. The syllabus has been developed under the highest scientific rigor, and is based on the latest evidence to ensure the quality of the program. Graduates will have access to innovative teaching resources, which can be easily accessed from any device with an Internet connection.







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*The most qualified teachers bring to you the most fundamental topics to improve your surgical practice”*

## Module 1. Abdominal Wall Surgery

- 1.1. Surgical Anatomy of the Abdominal Wall
  - 1.1.1. Introduction
  - 1.1.2. Layers of the Abdomen
  - 1.1.3. Nerves of the Abdominal Wall
  - 1.1.4. Functional Anatomy of the Abdominal Wall
- 1.2. Closure of the Mid Laparotomy
  - 1.2.1. Anatomical Aspects
  - 1.2.2. Risk Factors of the Surgical Technique
  - 1.2.3. Closure Techniques of Mid Laparotomy
  - 1.2.4. Suture Material
- 1.3. Prosthetic Materials
  - 1.3.1. Classification of Prosthetic Materials
  - 1.3.2. Biological Meshes
  - 1.3.3. Use of Abdominal Wall Adhesives
  - 1.3.4. Types of Mechanical Fixation Systems
- 1.4. Primary Midline Hernias
  - 1.4.1. Umbilical Hernia
  - 1.4.2. Epigastric Hernia
  - 1.4.3. Diastasis of the Rectus
  - 1.4.4. Classification of Surgical Techniques for the Treatment of Ventral Hernias
- 1.5. Lumbar Hernias
  - 1.5.1. Lumbar Hernias
  - 1.5.2. Spiegel Hernia
  - 1.5.3. Obturator Hernia
  - 1.5.4. Special Laparotomic Closures
- 1.6. Parastomal Hernias
  - 1.6.1. Classification
  - 1.6.2. Management of Parastomal Hernia
  - 1.6.3. Surgical Treatment of Parastomal Hernia Prevention





- 1.7. Hernias in Laparoscopic Trocar Orifices
  - 1.7.1. Introduction
  - 1.7.2. Classification
  - 1.7.3. Etiopathogenesis
  - 1.7.4. Prevention
- 1.8. Inguinal and Crural Hernias
  - 1.8.1. Classification of Inguinal Hernias
  - 1.8.2. Diagnosis
  - 1.8.3. Differential Diagnosis of Chronic Inguinal Pain
  - 1.8.4. Local Anesthesia in Inguinal Hernias in Major Outpatient Surgery
- 1.9. Criteria for Selection of Inguinocrural Hernias in Major Outpatient Surgery
  - 1.9.1. Introduction
  - 1.9.2. Criteria for Patient Selection
  - 1.9.3. Criteria for Patient Exclusion
  - 1.9.4. Pre-operative Management of Inguinal Hernia Surgery in Major Outpatient Surgery
- 1.10. Surgical Treatment of Inguinal Hernia
  - 1.10.1. Non-prosthetic Techniques
  - 1.10.2. Anterior Prosthetic Techniques
  - 1.10.3. Management of Crural Hernias
  - 1.10.4. Laparoscopic Hernioplasty



*Adapt your knowledge  
acquired in TECH to  
your job immediately”*

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 Major Outpatient Abdominal Wall Surgery guarantees students, in addition to the most rigorous and up-to-date education, 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 Major Outpatient Abdominal Wall 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** 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 Major Outpatient Abdominal Wall Surgery**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 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.



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- » Certificate: TECH Global University
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- » Schedule: at your own pace
- » Exams: online

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