

# Postgraduate Certificate

Transanal Surgery,  
Retrorectal Tumors and 3D  
Reconstruction





## Postgraduate Certificate Transanal Surgery, Retrorectal Tumors and 3D Reconstruction

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

Website: [www.techtute.com/us/medicine/postgraduate-certificate/transanal-surgery-retrorectal-tumors-3d-reconstruction](http://www.techtute.com/us/medicine/postgraduate-certificate/transanal-surgery-retrorectal-tumors-3d-reconstruction)

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# 01

# Introduction

In this Postgraduate Certificate, the student will acquire basic and specific knowledge of transanal surgery. The student will learn what tumor staging, size and location are indications for transanal surgery, as well as what complementary tests are necessary to perform a complete preoperative workup. A course of the highest quality, developed by the best professionals in clinical intervention and research in this exciting field of work.



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*Learn with this complete course, to identify indications and surgical access to colorectal tumors with the intensity and efficacy of a high-impact educational program”*

Although retrorectal tumors are not frequent, it is important that the student knows how to identify the indications and surgical access to these neoplasms. The illustrative videos will help the student to acquire the knowledge to perform this surgery safely. Another topic to be discussed is anastomotic sinus, a topic of current debate. We present real clinical cases and therapeutic algorithms to acquire clear and practical knowledge in the management of this complication.

Lastly, looking to the present and the future, we will discuss 3D reconstructions in rectal and pelvic floor pathology. This is a constantly evolving technology, which helps the surgeon make preoperative decisions and localize lesions in relation to adjacent structures. This is currently a relatively accessible tool, which should be known and relied upon.

We end this module with a topic of worldwide interest, the digital era of colorectal surgery. Topics such as networking and big data will be reviewed, and the student will learn about their applicability and importance.

This **Postgraduate Certificate in Transanal Surgery, Retrorectal Tumors and 3D Reconstruction** contains the most complete and up-to-date scientific program on the market. The most important features include:

- ♦ A large number of case studies presented by experts
- ♦ Graphic, schematic, and highly practical contents
- ♦ The latest developments and cutting-edge advances in this field
- ♦ Practical exercises where the self-evaluation process can be carried out to improve learning
- ♦ Innovative and highly efficient 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



*Acquire the most advanced knowledge in 3D reconstruction in rectal and pelvic floor pathology, bringing you up to date in a highly useful and constantly evolving technology”*

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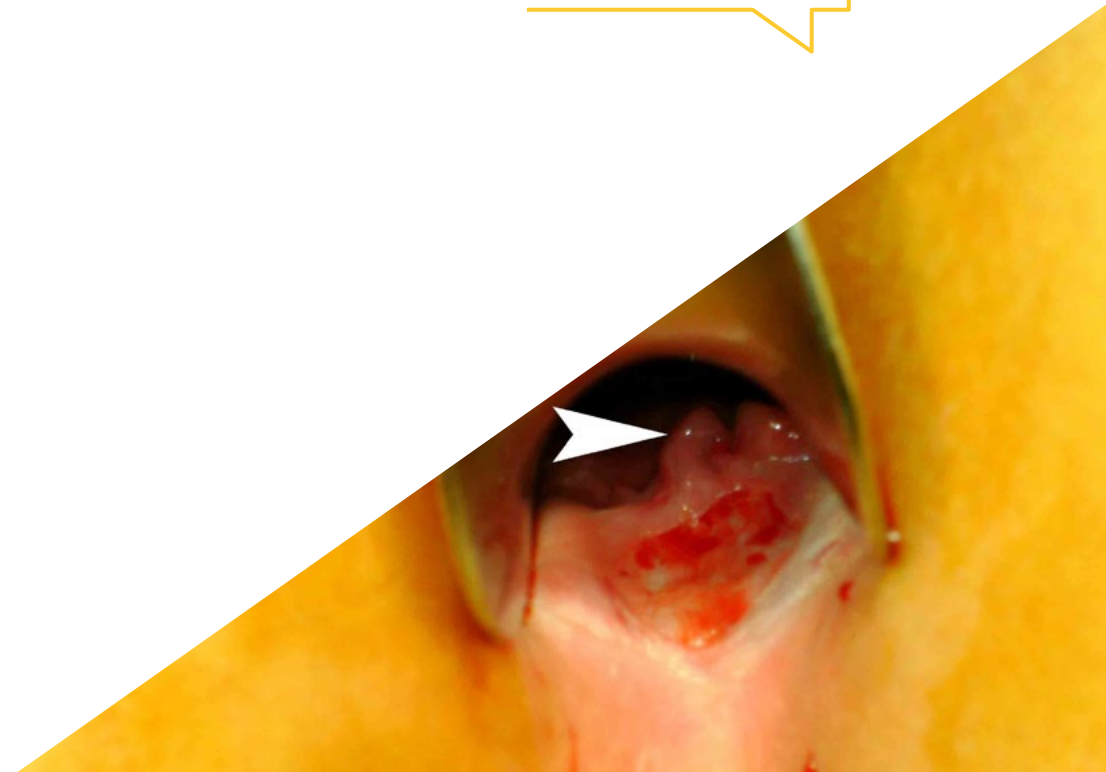
*A unique Postgraduate Certificate that perfectly combines intensive education, with the most innovative knowledge and techniques in the sector, with the flexibility that the working professional needs”*

The Development of this Course is Focused on the Practice of the Proposed Theoretical Learning Through the most effective teaching systems, proven methods imported from the most prestigious universities in the world, you will be able to acquire new knowledge in a practical way. In this way, we strive to convert your efforts into real and immediate skills.

Our online system is another of the strengths of our educational proposal. With an interactive platform that has the advantages of the latest technological developments, we put the most interactive digital tools at your service. This way, we can offer you a learning method that can be completely adapted to your needs, so that you can perfectly balance this educational program with your personal or professional life.

*A program designed to allow you to implement the knowledge that you acquire almost immediately in your daily practice.*

*A path to achieve education and professional growth that will propel you towards a greater level of competitiveness in the labor market.*



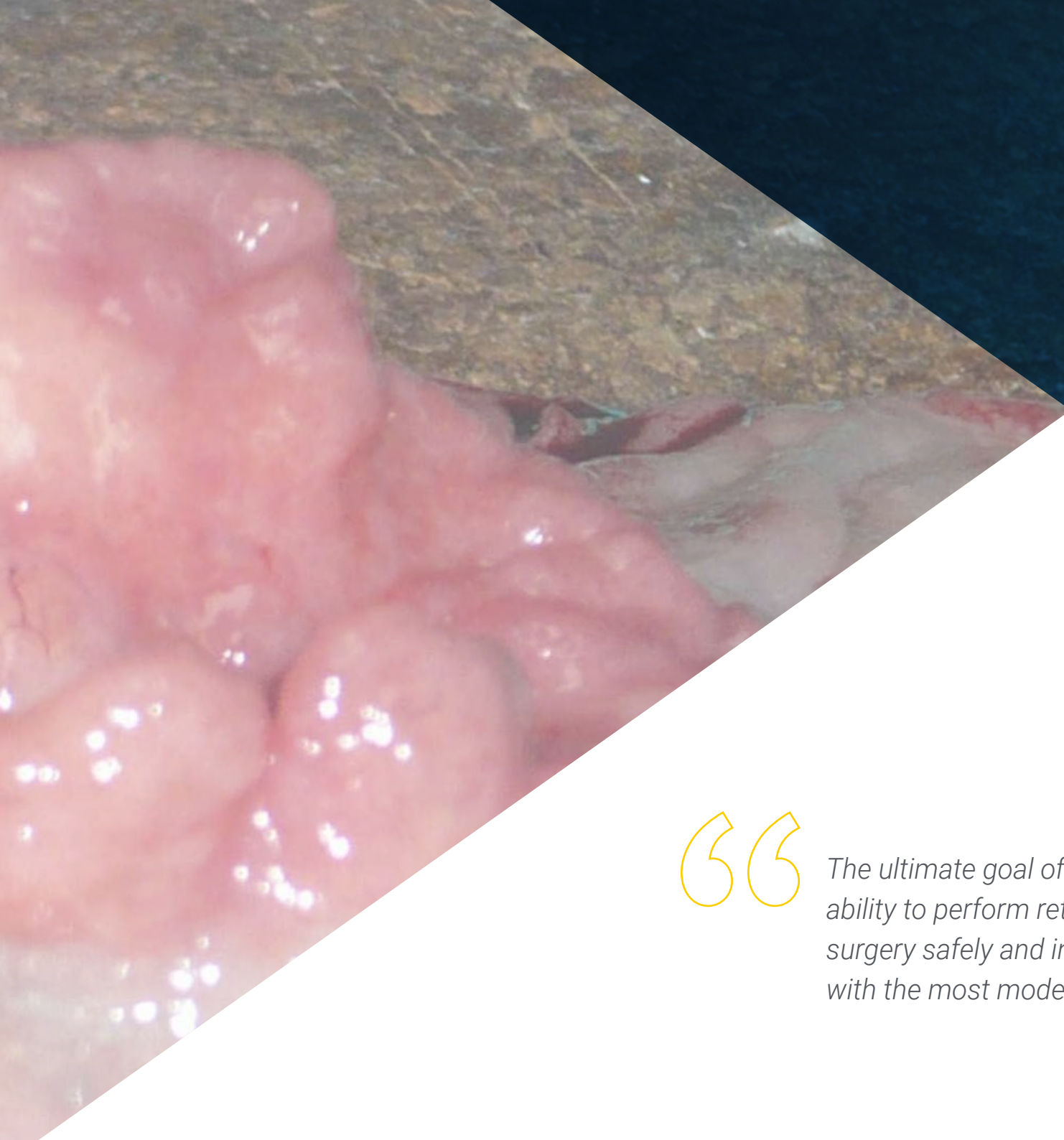
# 02

# Objectives

The objective of this program is to offer medical professionals a path to specialization in transanal surgery, rectorectal tumors and 3D reconstruction which includes all the most relevant and up-to-date aspects in this field. A complete course that will help you acquire advanced knowledge, expertise, and skills for routine clinical practice, or to keep up to date with the latest developments in this field. A practical and effective way to keep you at the forefront of a constantly evolving profession.







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*The ultimate goal of this course is to give you the ability to perform retrorectal and transanal tumor surgery safely and in a fully up-to-date manner, with the most modern systems in the field”*



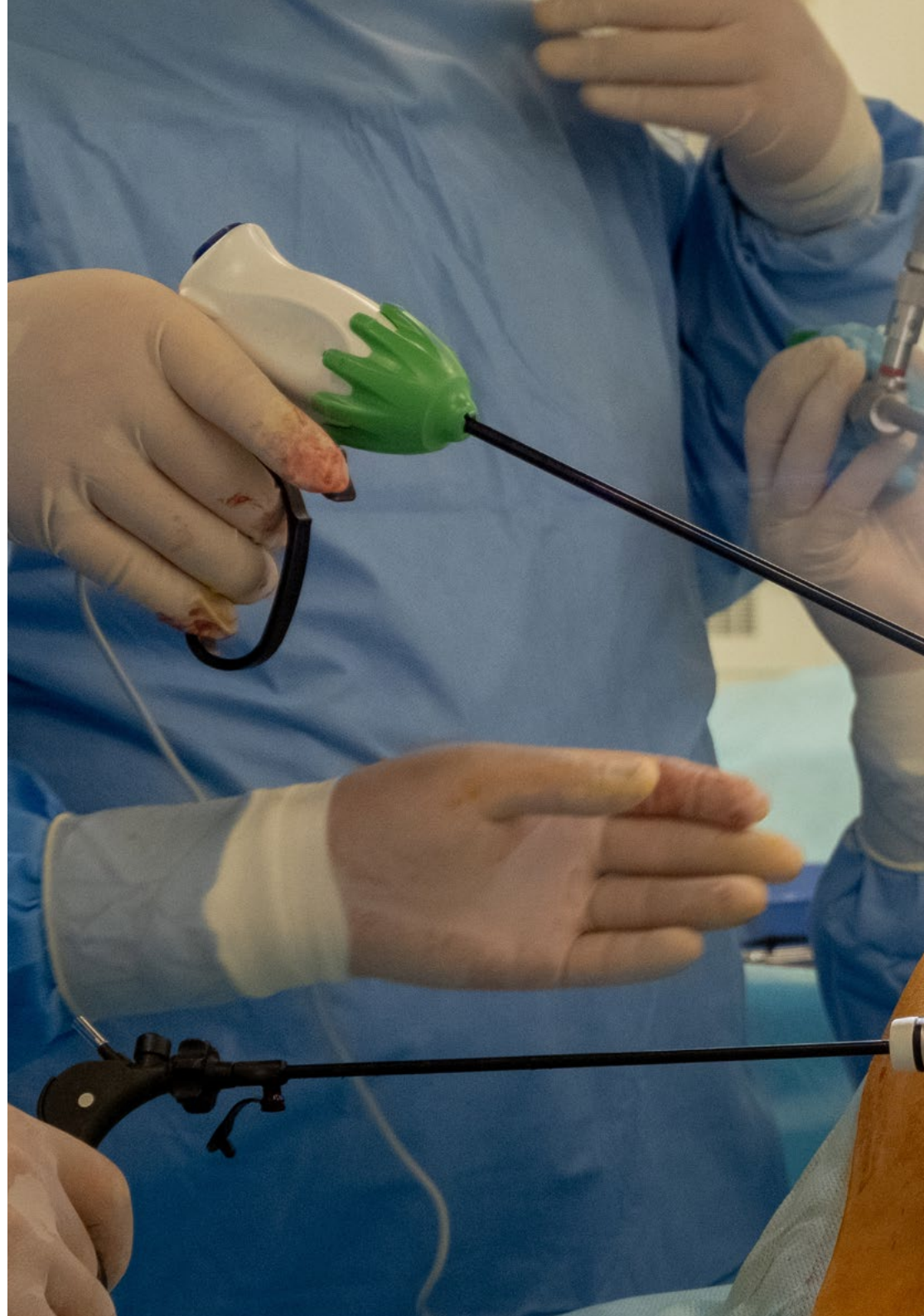
## General objectives

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- Delve into the knowledge of proctology and pelvic floor, with the aim of acquiring the necessary skills of anamnesis, physical examination and interpretation of complementary tests focused on mental algorithms of diagnosis and subsequent successful surgical indication of the pathologies that comprise this field of surgery
- Identify and learn the treatments and surgical techniques used for each type of proctology and pelvic floor pathology



*Measurable and achievable objectives, which are supported by a stimulating and highly effective work system"*





## Specific objectives

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- ◆ Acquire in-depth knowledge of the history, indications, and complementary tests of transanal surgery
- ◆ Learn the surgical technique and “tricks” of transanal surgery with illustrative videos
- ◆ Address the management and diagnosis of retrorectal tumors and the use of 3-D technology in their assessment
- ◆ Know the terms related to the advances of the digital era of colorectal surgery

03

# Course Management

The teaching staff includes renowned specialists who have carefully prepared the teaching material with special attention to high-quality, reproducible, practical content. Experts in different fields of clinical care and practice, all of them experienced in teaching and research and with management knowledge, will offer you a broad, systematic, and realistic vision of the complexity of this field, putting their real and up-to-date experience at your service.





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*A faculty chosen from among the most qualified professionals in the sector, with extensive experience in this field of work, will teach you from real, extensive, and up-to-date experience in proctology”*

## International Guest Director

Dr. Shehebar is a double board certified surgeon specializing in colon and rectal surgery. He received his undergraduate degree in Anthropology from New York University and then earned his medical degree from Tel Aviv University Sackler School of Medicine. Subsequently, Dr. Shehebar completed his residency in General Surgery at Montefiore Medical Center/Albert Einstein College of Medicine in the Bronx, New York.

Dr. Shehebar continued his education with a fellowship in Colon and Rectal Surgery at St. Luke's-Roosevelt Hospital Center of Columbia University College of Physicians and Surgeons in New York City. He obtained a highly specialized skill set in the treatment of benign and malignant diseases of the colon, rectum and anus and received training in advanced laparoscopic and robotic surgical techniques.

Dr. Shehebar is actively involved in the training of General Surgery residents at NYU Langone Hospital - Brooklyn. His clinical and research interests include the care of patients with inflammatory bowel disease (IBD), diverticulitis, advanced colon and rectal cancers, and complex anorectal diseases, and he approaches them all in a minimally invasive manner. He also performs screening and therapeutic colonoscopies. Dr. Shehebar has contributed to several peer-reviewed articles and has authored several chapters in well-known medical textbooks on gastrointestinal disorders.

Dr. Shehebar is a Fellow of the American College of Surgeons, the American Society of Colon and Rectal Surgeons and the New York Society of Colon and Rectal Surgeons.



## Dr. A. Shehebar, Josef

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- Chief of the Colorectal Surgery Unit, NYU Langone Hospital-Brooklyn
- Specialist in advanced colon and rectal cancers, inflammatory bowel disease, diverticulitis and complex anorectal diseases
- B.A. in Anthropology, New York University
- M.D. from Tel Aviv University
- Fellowship in Colon and Rectal Surgery at St. Luke's Roosevelt Hospital Center, Columbia University

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

## Management



### Dr. León Arellano, Miguel

- Specialist in General and Digestive System Surgery, Coloproctology Unit, at the Fundación Jiménez Díaz University Hospital, Madrid
- Resident Physician in General and Digestive System Surgery at La Paz Hospital. Madrid
- Specialist in General and Digestive System Surgery at IMED Elche Hospital and IMED Levante Hospital
- Professional Master's Degree in Colorectal and Pelvic Floor Surgery. University of Zaragoza
- Doctor from the Autonomous University of Madrid
- External work rotations: Memorial Sloan Kettering Cancer Center, Colorectal Unit, New York USA. University Hospital of Geneva, Coloproctology Unit, Geneva, Switzerland
- Member of the European Society of Coloproctology, Spanish Association of Coloproctology, Spanish Association of Surgeons, and Madrid Association of Surgeons





## Professors

### Dr. Millán Scheiding, Mónica

- ♦ Attending surgeon of the Coloproctology Unit of the General Surgery and Digestive System Service of the University and Polytechnic Hospital La Fe
- ♦ Head of the Coloproctology Unit and the General Surgery and Digestive System Service, Joan XXIII University Hospital, Tarragona, 2014-2018
- ♦ Specialist in General and Digestive System Surgery, Coloproctology Unit, Bellvitge University Hospital, Barcelona, 2006-2014
- ♦ Doctor in Medicine from the University of Valencia
- ♦ Specialist in General and Digestive System Surgery, Hospital Arnau de Vilanova, Valencia
- ♦ European Board of Coloproctology "Division of Coloproctology of the Section of Surgery of the Union Européenne des Médecins Spécialistes (UEMS) from the European Board of Surgical Qualification (EBSQ)



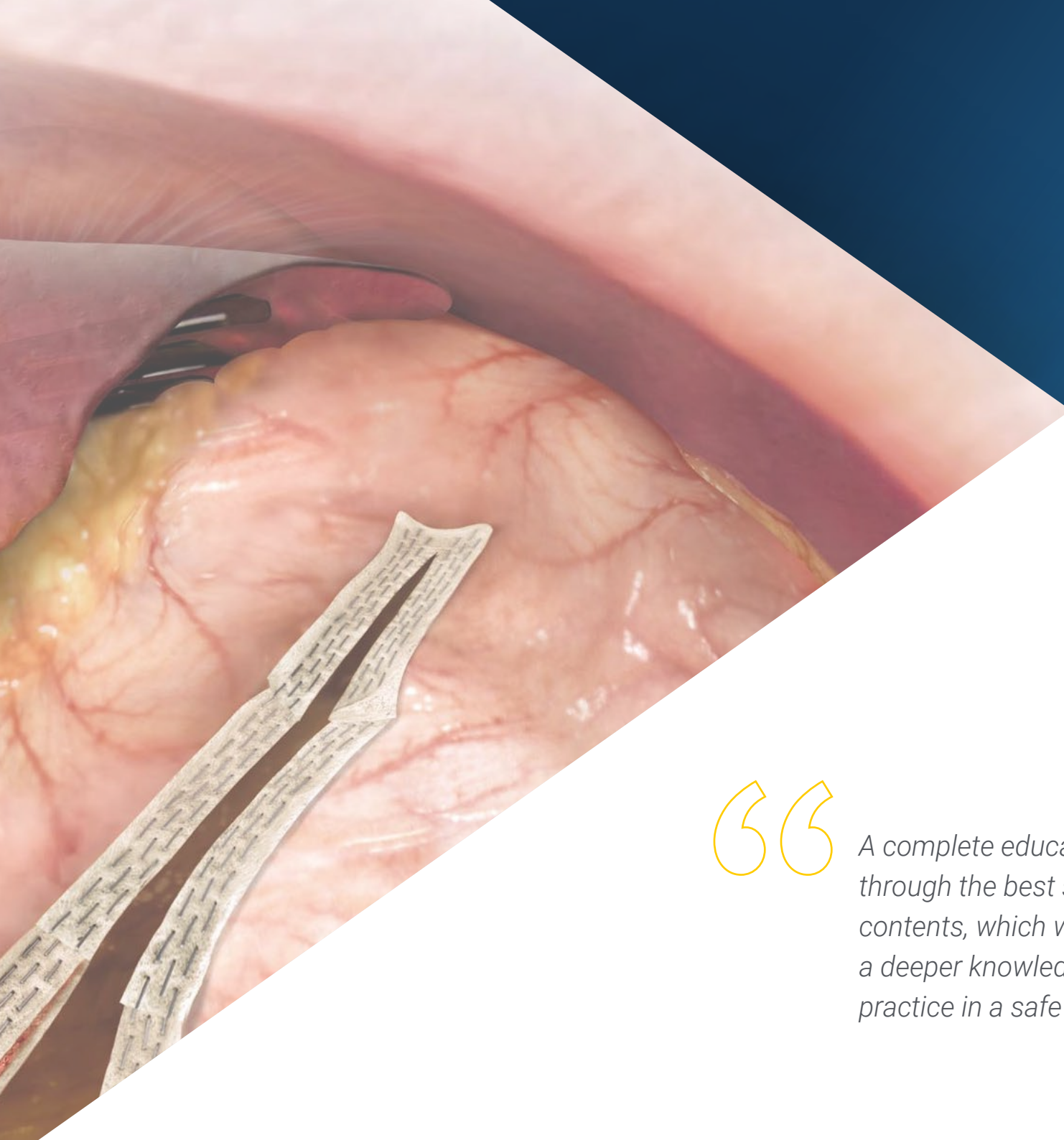
*Take the leap to learn with some of today's leading professionals. You will gain a competitive advantage in your profession"*

# 04

## Structure and Content

Our Postgraduate Certificate offers unique elements, such as a practical approach to the topics covered, with clinical cases, management algorithms, and high-quality multimedia material to transmit knowledge in a comprehensive, dynamic, active, and captivating manner. The structure of the contents has been designed by a team of professionals who are aware of the relevance of up-to-date education in order to advance in medical practice safely and competitively, and to practice your profession with the excellence that only the highest-quality educational program can provide.





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*A complete educational program developed through the best selection of multimedia contents, which will allow you to acquire a deeper knowledge of the clinical-surgical practice in a safe and comfortable way"*

## Module 1. Transanal Surgery, Retrorectal Tumors, and 3-D Reconstruction

- 1.1. Transanal Surgery. History, Indications, and Complementary Tests
- 1.2. Transanal Surgery: Surgical Treatment and Management Algorithm
- 1.3. Retrorectal Tumors. Clinical History, Diagnosis, Complementary Tests
- 1.4. Retrorectal Tumors: Surgical Management
- 1.5. Anastomotic Sinus: Diagnosis and Treatment
- 1.6. 3-D Reconstruction
- 1.7. The Digital Era of Colorectal Surgery



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*A unique, key and decisive educational experience to boost your professional development that will put you at the forefront of the professional world”*

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 Transanal Surgery, Retrorectal Tumors and 3D Reconstruction guarantees you, in addition to the most rigorous and up-to-date training, access to a Postgraduate Certificate issued by TECH Technological University.





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*Successfully complete this program  
and receive your university degree  
without travel or laborious paperwork”*

This **Postgraduate Certificate in Transanal Surgery, Retrorectal Tumors and 3D Reconstruction** contains the most complete and up-to-date scientific program 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 Transanal Surgery, Retrorectal Tumors and 3D Reconstruction**

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



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