

# Postgraduate Certificate Urological Surgery





## Postgraduate Certificate Urological Surgery

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

Website: [www.techtute.com/us/medicine/postgraduate-certificate/urological-surgery](http://www.techtute.com/us/medicine/postgraduate-certificate/urological-surgery)

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# 01

# Introduction

The specific pathology of men is undoubtedly what sets urology apart. In recent years, likely due to a shift in the mindset of the male population, we have seen an increased demand for addressing issues that were previously not brought to a doctor by men. This expert program facilitates the update of knowledge on these advances through the latest educational technology, adapting to your needs.



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*New scenarios push us to propose new training programs that address the real needs of professionals, allowing them to incorporate advancements in male urology into their daily clinical practice”*

In the last decade, there has been significant evolution in surgical techniques for prostate pathology. The introduction of green laser, holmium laser, and thulium laser, along with prostate vaporization using bipolar technology and minimally invasive techniques, is already revolutionizing the treatment of benign prostatic hyperplasia (BPH).

The continuous update of specialists is essential to provide quality care that ensures patient safety and improves prognosis.

This Postgraduate Certificate reviews urological anatomy comprehensively and covers the basic principles and foundations of urological surgery, including endourology, laparoscopy (intra, extraperitoneal, single-port, and natural orifice access), and robotics.

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

- Development of clinical cases, presented by specialists in urological surgery and other specialties. 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
- Updates on the approaches to surgical techniques in the urological system
- Diagnostic and therapeutic techniques for urological pathology requiring surgery
- Algorithm-based interactive learning system for decision-making in the presented clinical situations
- All this will be complemented by 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



*Through the latest educational technology, you will learn about the latest advances in urological surgery"*

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*This Postgraduate Certificate may be the best investment you can make in selecting an updating program for two reasons: in addition to updating your knowledge in urological surgery, you will receive a certificate from TECH Global University”*

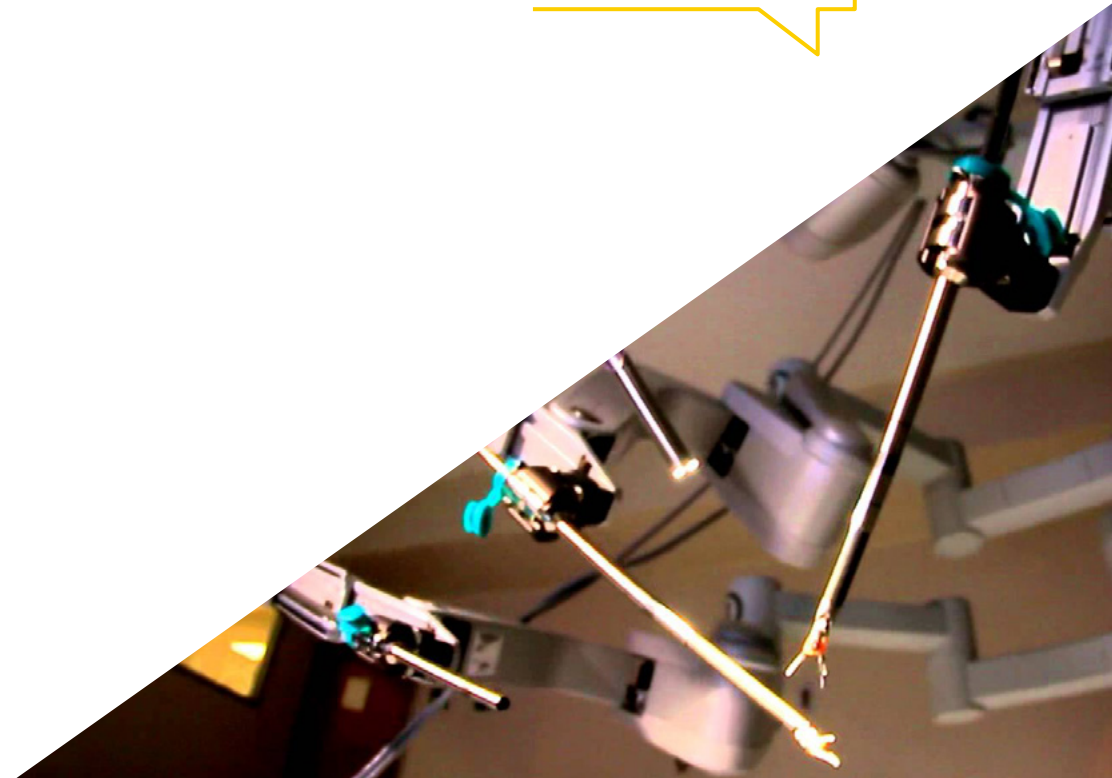
*Incorporate the latest advances in the management of urological surgery into your surgical practice and improve the prognosis of your patients.*

*It includes clinical cases and real images in high definition to bring clinical practice as close as possible to the development of the program.*

It includes, in its teaching staff, a team of leading urologists, who bring to this training the experience of their work, as well as recognized specialists in other medical areas.

The multimedia content developed with the latest educational technology will provide the physician with situated and contextual learning, i.e., a simulated environment that will provide immersive training programmed to train in real situations.

Problem-Based Learning underpins this program design, and the specialist must use it to try and solve the different professional practice situations that arise throughout the Postgraduate Certificate. For this purpose, he will be assisted by an innovative interactive video system developed by renowned experts with extensive teaching experience in the field of urological surgery.



# 02 Objectives

The main objective is to allow the incorporation of the latest advances in urological pathology techniques, so that the specialist can update his knowledge in a practical way, with the latest educational technology and adapting the educational process to his real needs.



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*This refresher program will provide you with the skills to act safely in decision-making in the surgical process, and will help you to grow professionally”*



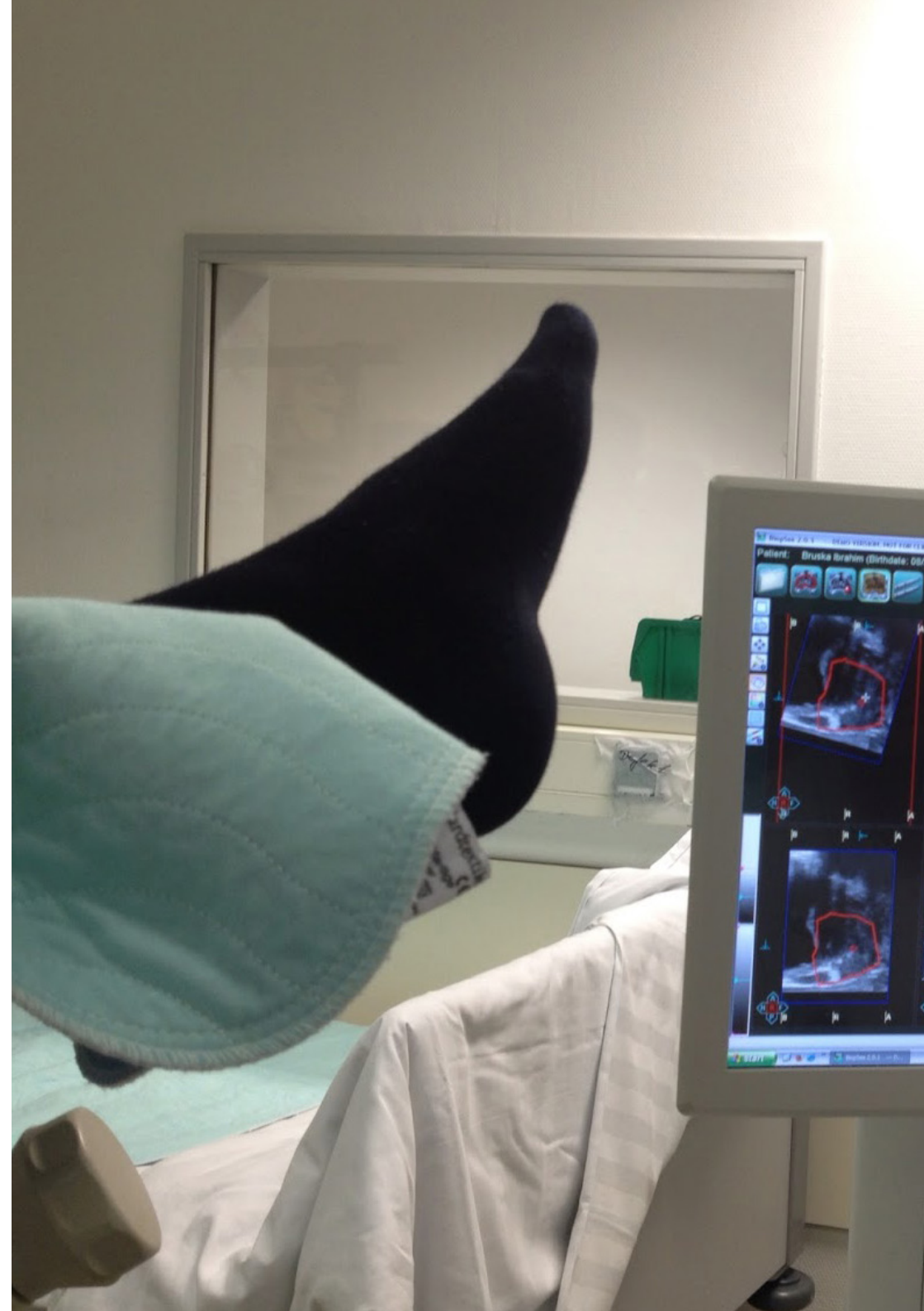
## General Objective

- Update the urology specialist in the anatomy and surgical procedures related to urological pathology, with a special focus on endoscopic approach techniques



## Specific Objectives

- Review human anatomy related to the upper urinary tract, including the latest advancements in the field
- Review human anatomy of the lower urinary tract
- Review human anatomy, in both sexes, related to the pelvic floor, with both internal and external views
- Review basic perioperative aspects in urological surgery, including instrumentation and drainage techniques
- Update the fundamentals of endourological surgery
- Update the fundamentals of transperitoneal and retroperitoneal laparoscopic surgery, mini-laparoscopy, and 3D laparoscopy
- Review the fundamentals of single-port laparoscopic surgery and NOTES (Natural Orifice Transluminal Endoscopic Surgery)
- Update the fundamentals of robotic-assisted laparoscopic surgery





*Take advantage of this opportunity  
and take the step to update  
yourself on the most important  
aspects of urological surgery.*



03

# Course Management

The creation of the materials has been carried out by a team of leading professionals in the field of urological surgery, who carry out their professional activity in prestigious hospitals. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.



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*Learn about the latest advances in urologic surgery from leading professionals”*

## Management



### Dr. Burgos Revilla, Francisco Javier

- Bachelor's Degree in Medicine and Surgery
- PhD in Medicine and Surgery
- Head of the Urology Department of the Hospital Universitario Vinalopó de Elche. Alicante, Spain
- Specialist in Urology
- Member of the Boards of the EAU Section of Lithiasis (EULIS) and the Spanish Society of Laparoscopic Surgery (SECLA)
- Spokesperson of the Office of Continuing Education of the AEU



### Dr. Galán Llopis, Juan Antonio

- Bachelor's Degree in Medicine and Surgery
- PhD in Medicine and Surgery
- Specialist in Urology
- Head of the Urology Department. Ramón y Cajal University Hospital. Madrid, Spain
- Professor of Urology at the University of Alcalá Madrid, Spain
- Professor of the European School of Urology

## Faculty

### Dr. Coloma Del Peso, Almudena

- ♦ Bachelor's Degree in Medicine and Surgery
- ♦ Medical Specialist in Urology
- ♦ Assistant Physician in the Urology Department at Hospital de Henares. Madrid, Spain

### Dr. Fernández Arjona, Manuel

- ♦ Bachelor's Degree in Medicine and Surgery
- ♦ Medical Specialist in Urology
- ♦ Chief of the Urology Service of the Hospital of Henares. Madrid, Spain

### Dr. Leibar Tamayo, Asier

- ♦ Bachelor's Degree in Medicine and Surgery
- ♦ Medical Specialist in Urology
- ♦ Assistant Physician in the Urology Department at Infanta Sofía Hospital. San Sebastián de los Reyes, Madrid, Spain

### Dr. Moreno Sierra, Jesús

- ♦ Bachelor's Degree in Medicine and Surgery
- ♦ Medical Specialist in Urology
- ♦ Chief of the Urology Department at Hospital San Carlos Clinical University Hospital. Madrid, Spain

### Pérez Ardavin, Javier

- ♦ Bachelor's Degree in Medicine and Surgery
- ♦ Medical Specialist in Urology
- ♦ Assistant Physician of the Urology Department at La Fe University and Polytechnic Hospital. Valencia, Spain

### Dr. Prera, Ángel

- ♦ Bachelor's Degree in Medicine and Surgery
- ♦ Medical Specialist in Urology
- ♦ Assistant Physician of the Urology Department at Hospital Parc Taulí de Sabadell. Barcelona, Spain

### Dr. Redondo, Enrique

- ♦ Bachelor's Degree in Medicine and Surgery
- ♦ Medical Specialist in Urology
- ♦ Assistant Physician in the Urology Department at San Carlos Clinical University Hospital. Madrid

### Dr. Sánchez González, José Vicente

- ♦ Bachelor's Degree in Medicine and Surgery
- ♦ Medical Specialist in Urology
- ♦ Assistant Physician of the Urology Department at Hospital Universitario y Politécnico la Fe. Valencia, Spain

### Dr. Serrano Pascual, Álvaro

- ♦ Bachelor's Degree in Medicine and Surgery
- ♦ Medical Specialist in Urology
- ♦ Assistant Physician in the Urology Department at San Carlos Clinical University Hospital. Madrid, Spain

04

# Structure and Content

The structure of the syllabus has been designed by a team of professionals who are knowledgeable about the implications of surgical training in addressing urological pathology in patients. They are aware of the importance of up-to-date training and are committed to providing quality education through the use of the latest educational technologies.





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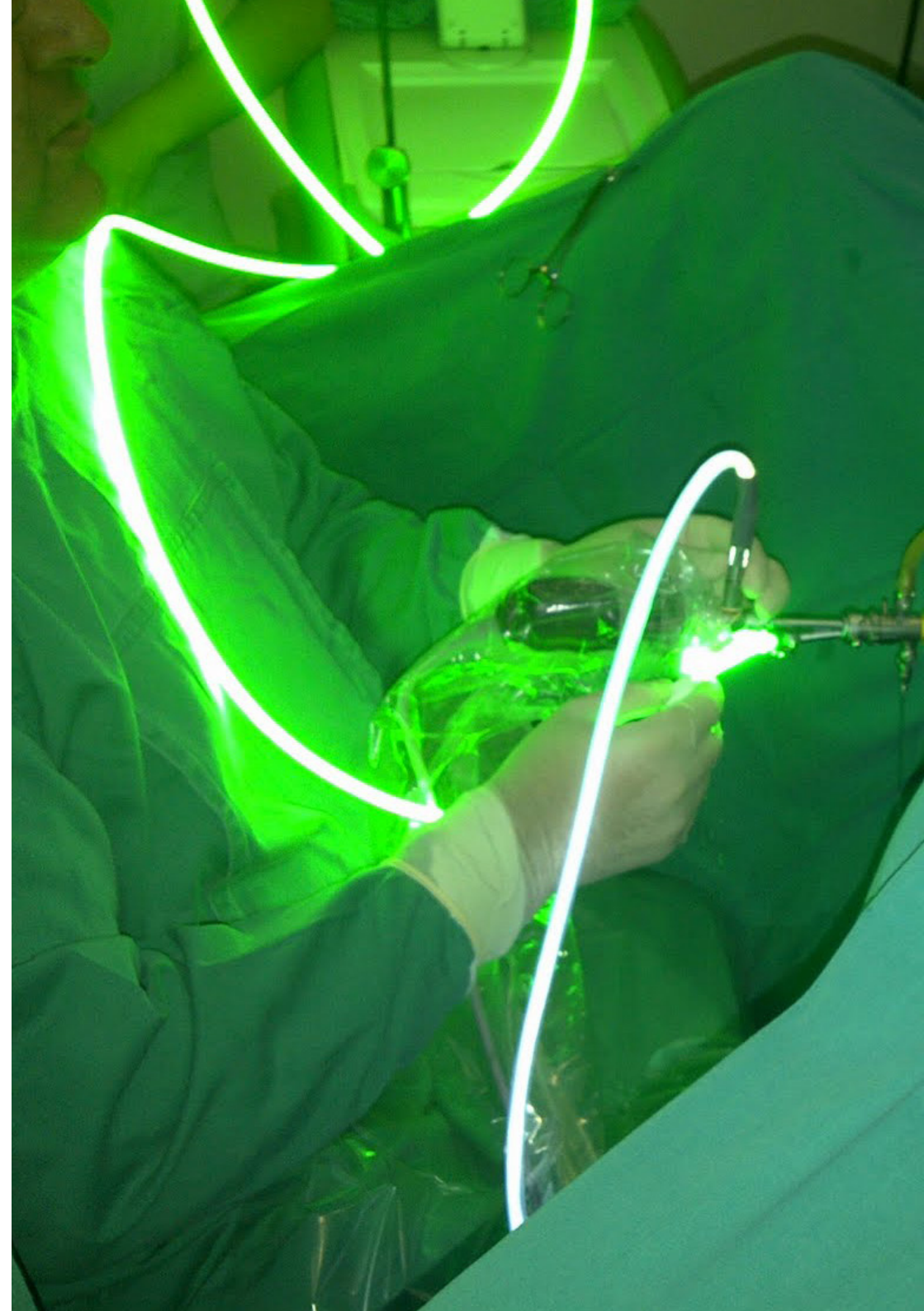
*The Postgraduate Certificate in Urological Surgery contains the most complete and up-to-date scientific program on the market”*

## Module 1. Latest Advances in Surgical Anatomy. Laparoscopic Anatomy

- 1.1. Upper or Superior Surgical Anatomy
  - 1.1.1. Retroperitoneum
  - 1.1.2. Kidney
  - 1.1.3. Adrenal Gland
  - 1.1.4. Ureter
- 1.2. Lower or Inferior Surgical Anatomy
  - 1.2.1. Bladder
  - 1.2.2. Prostate and Seminal Vesicles
  - 1.2.3. Urethra
  - 1.2.4. Penis
  - 1.2.5. Testicles and Scrotum
- 1.3. Pelvic Floor Surgical Anatomy
  - 1.3.1. Pelvic Floor in Women
    - 1.3.1.1. Abdominal View
    - 1.3.1.2. Perineal View
  - 1.3.2. Pelvic Floor in Men
    - 1.3.2.1. Abdominal View
    - 1.3.2.2. Perineal View

## Module 2. Basic Aspects of Urological Surgery

- 2.1. Perioperative Basic Aspects
- 2.2. Instrumentation and Drainage of the Urinary Tract
- 2.3. Basic Principles in Endoscopy
  - 2.3.1. Basic Principles in Endourology
  - 2.3.2. Basic Principles in Laparoscopy, Mini-Laparoscopy, and 3D
  - 2.3.3. Basic Principles in Robot-Assisted Laparoscopic Surgery
  - 2.3.4. Basic Principles in Single-Port Laparoscopic Surgery / NOTES (Natural Orifice Transluminal Endoscopic Surgery)



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*A unique, essential and decisive learning experience to boost your professional development”*



# 05 Study Methodology

TECH is the world's first university to combine the **case study** methodology with **Relearning**, a 100% online learning system based on guided repetition.

This disruptive pedagogical strategy has been conceived to offer professionals the opportunity to update their knowledge and develop their skills in an intensive and rigorous way. A learning model that places students at the center of the educational process giving them the leading role, adapting to their needs and leaving aside more conventional methodologies.



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*TECH will prepare you to face new challenges in uncertain environments and achieve success in your career”*

## The student: the priority of all TECH programs

In TECH's study methodology, the student is the main protagonist.

The teaching tools of each program have been selected taking into account the demands of time, availability and academic rigor that, today, not only students demand but also the most competitive positions in the market.

With TECH's asynchronous educational model, it is students who choose the time they dedicate to study, how they decide to establish their routines, and all this from the comfort of the electronic device of their choice. The student will not have to participate in live classes, which in many cases they will not be able to attend. The learning activities will be done when it is convenient for them. They can always decide when and from where they want to study.

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*At TECH you will NOT have live classes  
(which you might not be able to attend)”*



### The most comprehensive study plans at the international level

TECH is distinguished by offering the most complete academic itineraries on the university scene. This comprehensiveness is achieved through the creation of syllabi that not only cover the essential knowledge, but also the most recent innovations in each area.

By being constantly up to date, these programs allow students to keep up with market changes and acquire the skills most valued by employers. In this way, those who complete their studies at TECH receive a comprehensive education that provides them with a notable competitive advantage to further their careers.

And what's more, they will be able to do so from any device, pc, tablet or smartphone.

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*TECH's model is asynchronous, so it allows you to study with your pc, tablet or your smartphone wherever you want, whenever you want and for as long as you want”*

## Case Studies and Case Method

The case method has been the learning system most used by the world's best business schools. Developed in 1912 so that law students would not only learn the law based on theoretical content, its function was also to present them with real complex situations. In this way, they could make informed decisions and value judgments about how to resolve them. In 1924, Harvard adopted it as a standard teaching method.

With this teaching model, it is students themselves who build their professional competence through strategies such as Learning by Doing or Design Thinking, used by other renowned institutions such as Yale or Stanford.

This action-oriented method will be applied throughout the entire academic itinerary that the student undertakes with TECH. Students will be confronted with multiple real-life situations and will have to integrate knowledge, research, discuss and defend their ideas and decisions. All this with the premise of answering the question of how they would act when facing specific events of complexity in their daily work.



## Relearning Methodology

At TECH, case studies are enhanced with the best 100% online teaching method: Relearning.

This method breaks with traditional teaching techniques to put the student at the center of the equation, providing the best content in different formats. In this way, it manages to review and reiterate the key concepts of each subject and learn to apply them in a real context.

In the same line, and according to multiple scientific researches, reiteration is the best way to learn. For this reason, TECH offers between 8 and 16 repetitions of each key concept within the same lesson, presented in a different way, with the objective of ensuring that the knowledge is completely consolidated during the study process.

*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.*



## A 100% online Virtual Campus with the best teaching resources

In order to apply its methodology effectively, TECH focuses on providing graduates with teaching materials in different formats: texts, interactive videos, illustrations and knowledge maps, among others. All of them are designed by qualified teachers who focus their work on combining real cases with the resolution of complex situations through simulation, the study of contexts applied to each professional career and learning based on repetition, through audios, presentations, animations, images, etc.

The latest scientific evidence in the field of Neuroscience points to the importance of taking into account the place and context where the content is accessed before starting a new learning process. Being able to adjust these variables in a personalized way helps people to remember and store knowledge in the hippocampus to retain it in the long term. This is a model called Neurocognitive context-dependent e-learning that is consciously applied in this university qualification.

In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

Likewise, this very complete Virtual Campus will allow TECH students to organize their study schedules according to their personal availability or work obligations. In this way, they will have global control of the academic content and teaching tools, based on their fast-paced professional update.



*The online study mode of this program will allow you to organize your time and learning pace, adapting it to your schedule”*

### 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 assess 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.

### The university methodology top-rated by its students

The results of this innovative teaching model can be seen in the overall satisfaction levels of TECH graduates.

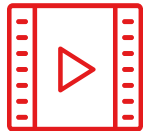
The students' assessment of the teaching quality, the quality of the materials, the structure of the program and its objectives is excellent. Not surprisingly, the institution became the top-rated university by its students according to the global score index, obtaining a 4.9 out of 5.

*Access the study contents from any device with an Internet connection (computer, tablet, smartphone) thanks to the fact that TECH is at the forefront of technology and teaching.*

*You will be able to learn with the advantages that come with having access to simulated learning environments and the learning by observation approach, that is, Learning from an expert.*



As such, the best educational materials, thoroughly prepared, will be available in this program:



#### 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.

This content is then adapted in an audiovisual format that will create our way of working online, with the latest techniques that allow us to offer you high quality in all of the material that we provide you with.



#### Practicing Skills and Abilities

You will carry out activities to develop specific competencies and skills in each thematic field. Exercises and activities to acquire and develop the skills and abilities that a specialist needs to develop within the framework of the globalization we live in.



#### Interactive Summaries

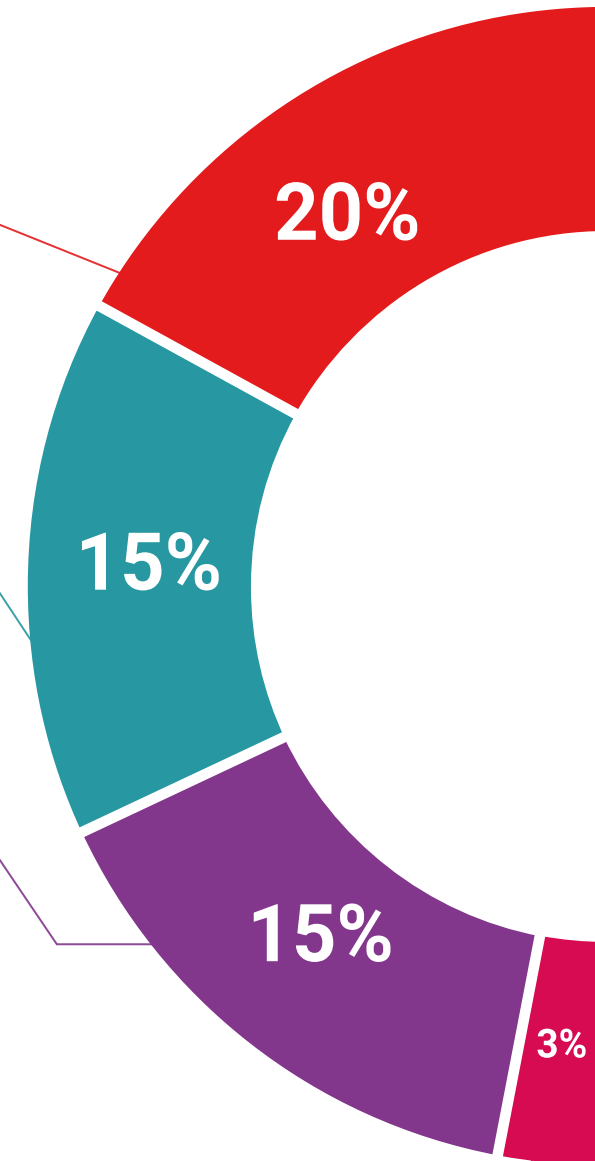
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

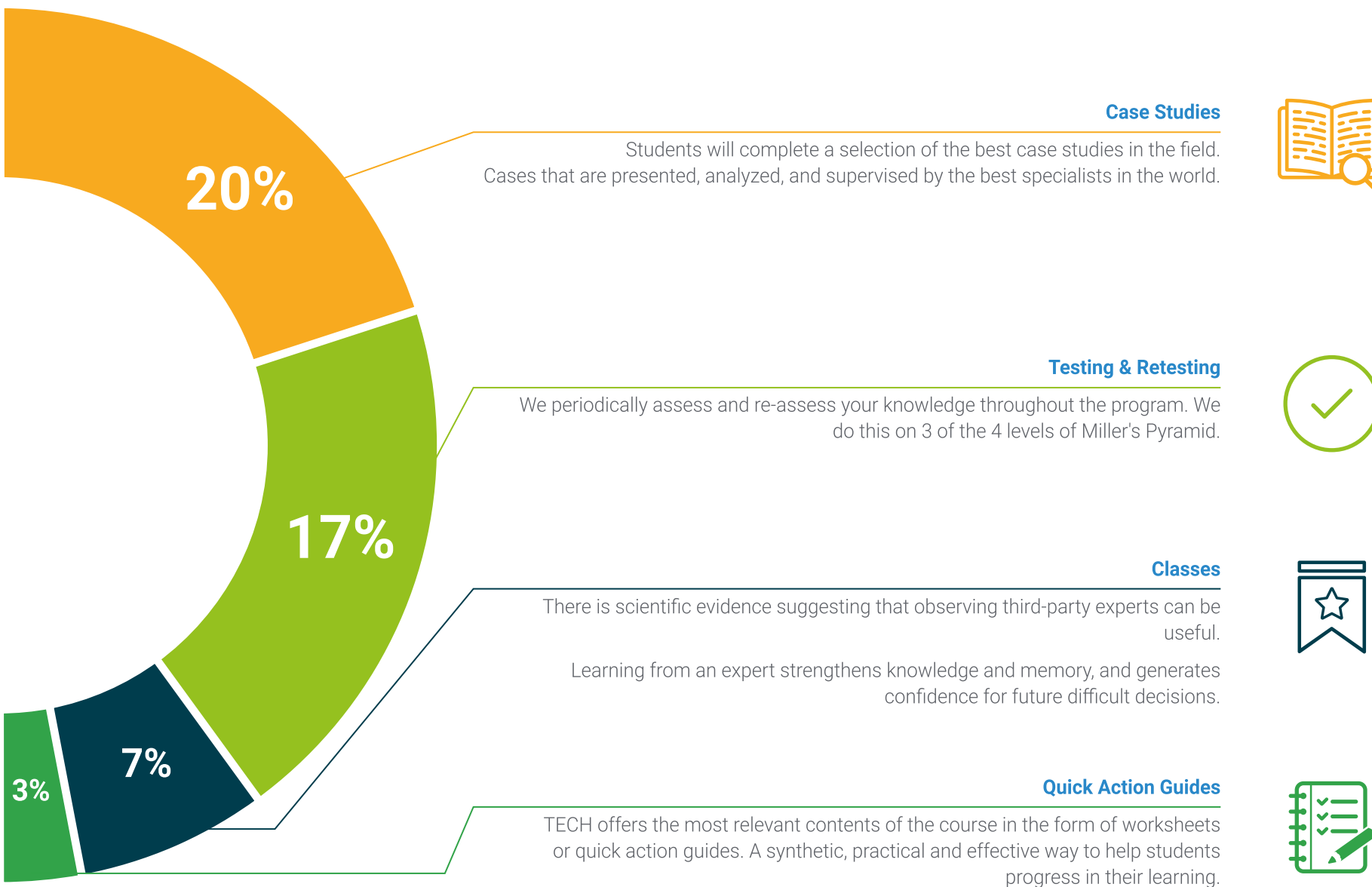
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



#### Additional Reading

Recent articles, consensus documents, international guides... In our virtual library you will have access to everything you need to complete your education.





# 06 Certificate

The Postgraduate Certificate in Urological Surgery guarantees students, in addition to the most rigorous and up-to-date education, access to a diploma for the Postgraduate Certificate issued by TECH Global University.



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

This private qualification will allow you to obtain a diploma for the **Postgraduate Certificate in Urological 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** private qualification, 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 Urological Surgery**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





## Postgraduate Certificate Urological Surgery

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