

# Postgraduate Certificate

Open, Laparoscopic and Robotic  
Surgery for Renal Lithiasis



## Postgraduate Certificate

### Open, Laparoscopic and Robotic Surgery for Renal Lithiasis

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

Website: [www.techtitude.com/us/medicine/postgraduate-certificate/open-laparoscopic-robotic-surgery-renal-lithiasis](http://www.techtitude.com/us/medicine/postgraduate-certificate/open-laparoscopic-robotic-surgery-renal-lithiasis)

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# 01

# Introduction to the Program

The management of Renal Lithiasis has undergone a remarkable evolution in recent decades due to advances in minimally invasive techniques such as Laparoscopy and Robotic Surgery. Among the main benefits of these technological tools are the reduction of postoperative pain, scarring and even hospitalization time. All this, while maintaining high success rates in the removal of Kidney Stones. In this scenario, professionals need to acquire technical skills to master these advances and use them optimally to significantly optimize clinical results. With the aim of facilitating this task, TECH has created an exclusive university program focused on the latest innovations in the urological field. It is also based on a flexible 100% online modality. In addition, it is based on a flexible 100% online modality.





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*Thanks to this 100% online Postgraduate Certificate, you will accurately handle the most innovative Open, Laparoscopic and Robotic Surgery techniques for the approach to Renal Lithiasis”*

According to a new study carried out by the World Health Organization, the prevalence of Renal Lithiasis has increased by 5% per year in recent years and is affecting more than 200 million people globally. This increase is due to multiple factors ranging from changes in diet or an increase in metabolic diseases to sedentary lifestyles. Given this reality, the surgical management of Kidney Stones has evolved from traditional methods to less invasive models such as Laparoscopy or Robotics. In this way, specialists have managed to reduce postoperative complication rates by 40% and have significantly improved the recovery experience of individuals.

In this context, TECH presents an innovative Postgraduate Certificate in Open, Laparoscopic and Robotic Surgery for Renal Lithiasis. Developed by leading experts in this field of healthcare, the syllabus will delve into issues ranging from the most sophisticated surgical techniques for the extraction of Kidney Stones or the placement of trocars during interventions to strategies for optimal monitoring of the clinical status of patients. At the same time, the syllabus will provide physicians with the keys to getting the most out of robotic devices and using them to prevent common complications such as Bleeding. In this way, graduates will gain advanced skills to master these minimally invasive techniques with high precision, efficiency and safety.

Furthermore, this syllabus is taught 100% online, allowing physicians to plan their own study schedules for a completely efficient refresher experience. In addition, professionals will enjoy a wide variety of multimedia resources designed to promote dynamic and natural teaching. To access the Virtual Campus, all graduates will need is a device with Internet access (including their own cell phone).

This **Postgraduate Certificate in Open, Laparoscopic and Robotic Surgery of Renal Lithiasis** 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 Urology
- ♦ The graphic, schematic and eminently practical contents with which it is conceived gather scientific and practical information on those disciplines that are indispensable for professional practice
- ♦ Practical exercises where the process of 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



*You will select the most appropriate surgical methods according to the characteristics of the Kidney Stones and the individual conditions of the patients"*

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*You will delve into the keys to implementing Safety Protocols to minimize risks when dealing with complex urological conditions"*

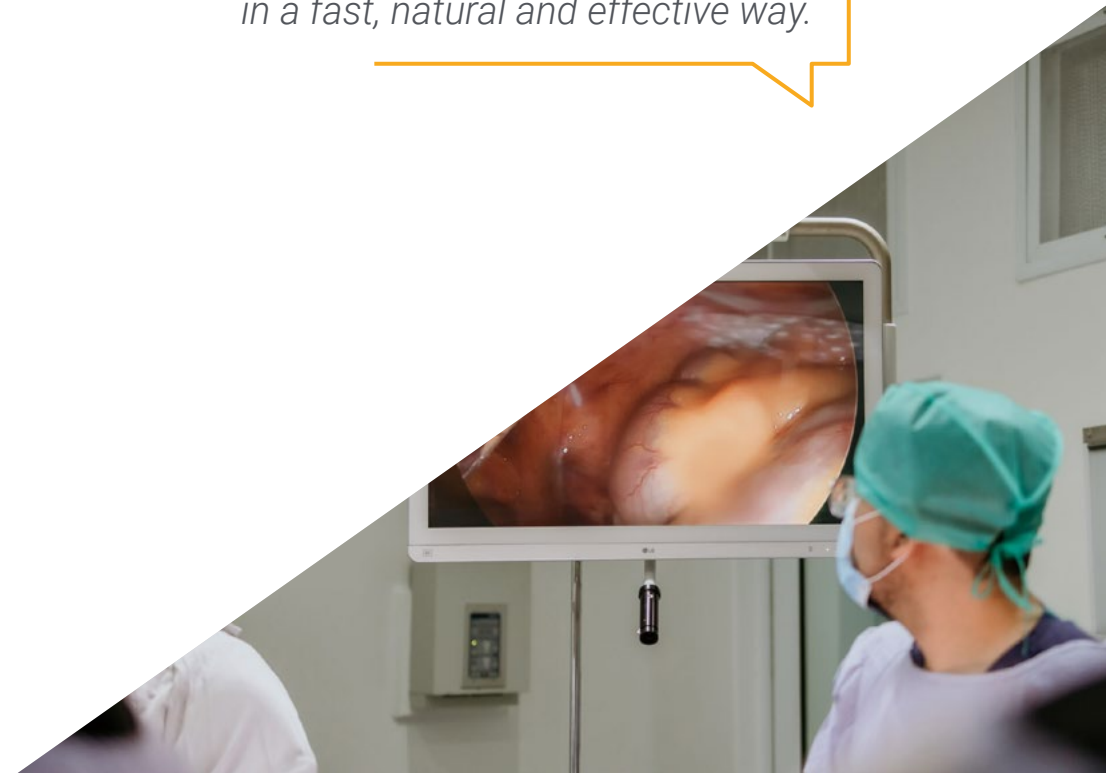
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 prepare for 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 course. For this purpose, students will be assisted by an innovative interactive video system created by renowned and experienced experts.

*You will use state-of-the-art endoscopic devices to improve visualization and access to the urinary system.*

*Using TECH's groundbreaking Relearning method, you will be able to assimilate the essential concepts in a fast, natural and effective way.*



02

# Why Study at TECH?

TECH is the world's largest online university. With an impressive catalog of more than 14,000 university programs available in 11 languages, it is positioned as a leader in employability, with a 99% job placement rate. In addition, it relies on an enormous faculty of more than 6,000 professors of the highest international renown.





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*Study at the world's largest online university and guarantee your professional success. The future starts at TECH”*

**The world's best online university, according to FORBES**

The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer it provides, the selection of its teaching staff, and an innovative learning method oriented to form the professionals of the future".

**The best top international faculty**

TECH's faculty is made up of more than 6,000 professors of the highest international prestige. Professors, researchers and top executives of multinational companies, including Isaiah Covington, performance coach of the Boston Celtics; Magda Romanska, principal investigator at Harvard MetaLAB; Ignacio Wistumba, chairman of the department of translational molecular pathology at MD Anderson Cancer Center; and D.W. Pine, creative director of TIME magazine, among others.

**The world's largest online university**

TECH is the world's largest online university. We are the largest educational institution, with the best and widest digital educational catalog, one hundred percent online and covering most areas of knowledge. We offer the largest selection of our own degrees and accredited online undergraduate and postgraduate degrees. In total, more than 14,000 university programs, in ten different languages, making us the largest educational institution in the world.



**The most complete syllabuses on the university scene**

TECH offers the most complete syllabuses on the university scene, with programs that cover fundamental concepts and, at the same time, the main scientific advances in their specific scientific areas. In addition, these programs are continuously updated to guarantee students the academic vanguard and the most demanded professional skills. and the most in-demand professional competencies. In this way, the university's qualifications provide its graduates with a significant advantage to propel their careers to success.

**A unique learning method**

TECH is the first university to use Relearning in all its programs. This is the best online learning methodology, accredited with international teaching quality certifications, provided by prestigious educational agencies. In addition, this innovative academic model is complemented by the "Case Method", thereby configuring a unique online teaching strategy. Innovative teaching resources are also implemented, including detailed videos, infographics and interactive summaries.

#### The official online university of the NBA

TECH is the official online university of the NBA. Thanks to our agreement with the biggest league in basketball, we offer our students exclusive university programs, as well as a wide variety of educational resources focused on the business of the league and other areas of the sports industry. Each program is made up of a uniquely designed syllabus and features exceptional guest hosts: professionals with a distinguished sports background who will offer their expertise on the most relevant topics.

#### Leaders in employability

TECH has become the leading university in employability. Ninety-nine percent of its students obtain jobs in the academic field they have studied within one year of completing any of the university's programs. A similar number achieve immediate career enhancement. All this thanks to a study methodology that bases its effectiveness on the acquisition of practical skills, which are absolutely necessary for professional development.



#### Google Premier Partner

The American technology giant has awarded TECH the Google Premier Partner badge. This award, which is only available to 3% of the world's companies, highlights the efficient, flexible and tailored experience that this university provides to students. The recognition not only accredits the maximum rigor, performance and investment in TECH's digital infrastructures, but also places this university as one of the world's leading technology companies.



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

Students have positioned TECH as the world's top-rated university on the main review websites, with a highest rating of 4.9 out of 5, obtained from more than 1,000 reviews. These results consolidate TECH as the benchmark university institution at an international level, reflecting the excellence and positive impact of its educational model.



# 03 Syllabus

This Postgraduate Certificate in Open, Laparoscopic and Robotic Surgery for Renal Lithiasis represents an exceptional opportunity for physicians who aspire to master the most modern surgical techniques for the treatment of Kidney Stones. The academic itinerary will delve into aspects ranging from the fundamentals of Ureterolithotomy or Pyelolithotomy to Antegrade Nephrolithotomy. In turn, the syllabus will provide experts with the keys to treating Renal Malformations efficiently. In addition, the teaching materials will delve into the most modern strategies for correctly selecting instrumentation and carrying out optimal maintenance of technological devices.





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*You will implement cutting-edge techniques to improve adherence to Renal Lithiasis treatments and reduce recovery times”*

## Module 1. Open, Laparoscopic and Robotic Surgery for Renal Lithiasis

- 1.1. Ureterolithotomy
  - 1.1.1. Ureterolithotomy
  - 1.1.2. Current Indications for Ureterolithotomy
  - 1.1.3. Surgical Technique for Ureterolithotomy
- 1.2. Pyelolithotomy
  - 1.2.1. Pyelolithotomy
  - 1.2.2. Current Indications for Pyelolithotomy
  - 1.2.3. Surgical Technique for Pyelolithotomy
- 1.3. Open Anatomic Nephrolithotomy
  - 1.3.1. Indications for Anatomic Nephrolithotomy
  - 1.3.2. Approach. Surgical Field
  - 1.3.3. Anatomic Nephrolithotomy: Surgical Technique
- 1.4. Laparoscopic Ureterolithotomy
  - 1.4.1. Indications, Material and Preparation of the Operating Room
  - 1.4.2. Laparoscopic and Retroperitoneoscopic (Lumboscopic) Techniques
  - 1.4.3. Management of the Postoperative Period and Complications
- 1.5. Laparoscopic and Robotic Pyelolithotomy
  - 1.5.1. Approach. Trocar Placement. Surgical Field
  - 1.5.2. Dissection of Renal Pelvis. Pyelolithotomy. Extraction of Lithiasis
  - 1.5.3. Pyelolithotomy Closure Suture
- 1.6. Laparoscopic and Robotic Treatment of Lithiasis in the Calyceal Diverticulum
  - 1.6.1. Pathophysiology and Diagnosis of Lithiasis in the Calyceal Diverticulum
  - 1.6.2. Surgical Techniques in the Treatment of Calyceal Lithiasis
  - 1.6.3. Monitoring and Complications of Surgical Treatment
- 1.7. Laparoscopic and Robotic Surgical Approach to Lithiasis in Renal Malformations
  - 1.7.1. Pyelolithotomy in Horseshoe Kidney
  - 1.7.2. Ureterolithotomy in Renal Ectopia
  - 1.7.3. Lithiasis Resolution with Robotic Surgery and Renal Malformations







- 1.8. Anatomic, Laparoscopic and Robotic Nephrolithotomy
  - 1.8.1. Surgical Technique for Anatomic Nephrolithotomy in Laparoscopic and Robotic Surgery
  - 1.8.2. Indications and Patient Selection for an Anatomic Nephrolithotomy
  - 1.8.3. Comparison of Results and Complications between Laparoscopic and Robotic Approaches
- 1.9. Nursing and Instrumentation during Laparoscopic and Robotic Procedures
  - 1.9.1. Role of Nursing Staff in the Preparation and Handling of Surgical Instruments
  - 1.9.2. Intervention of the Nursing Team during Laparoscopic and Robotic Procedures
  - 1.9.3. Training in Advanced Technologies and Patient Safety
- 1.10. Nursing and Instrumentation in Endourology
  - 1.10.1. Instruments and Consumables
  - 1.10.2. Surgical Table Layout
  - 1.10.3. Layout of Equipment in the Operating Room



*You will achieve your objectives with the support of multimedia teaching tools such as interactive summaries, explanatory videos and real clinical case studies”*

04

# Teaching Objectives

Thanks to this comprehensive university program, physicians will develop advanced clinical skills to master the most sophisticated Open, Laparoscopic and Robotic Surgery techniques for the management of Renal Lithiasis. In this sense, graduates will apply minimally invasive therapies both to manage clinical results and to manage possible complications early on and guarantee a successful recovery for patients. In this way, professionals will contribute significantly to the improvement of healthcare in the urological field.





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*You will perform Anaphylactic  
Nephrolithotomies with great precision  
and eliminate anomalies such as Renal  
Malformations"*



## General Objectives

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- ♦ Identify the fundamental physical and chemical aspects involved in the formation of kidney stones
- ♦ Delve into the classification of kidney stones according to the etiological factors that generate them
- ♦ Establish the diagnostic foundations based on the study of kidney stones
- ♦ Determine the key diagnostic aspects based on the study of urine
- ♦ Delve into the metabolic study of patients with renal lithiasis
- ♦ Define the classifications of patients at risk of urolithiasis, considering factors that may contribute to the formation of stones
- ♦ Assess the various associated metabolic conditions and their specific treatments
- ♦ Acquire a comprehensive approach to the dietary and clinical management of the lithiasic patient
- ♦ Address the etiology and pathophysiology of non-calcium lithiasis, identifying its distinctive characteristics
- ♦ Define the medical treatment options available for each type of condition
- ♦ Assess the role of genetics and microbiota in the management of Urolithiasis
- ♦ Establish guidelines for pH control and coordination of Urolithiasis units
- ♦ Evaluate renal physiology and pathophysiology, as well as the mechanisms of obstruction
- ♦ Delve into the most widely used diagnostic imaging methods in Renal Lithiasis
- ♦ Define therapeutic approaches to renal colic
- ♦ Identify the complications associated with lithiasis and propose management strategies based on international clinical guidelines
- ♦ Analyze the historical evolution of Extracorporeal Shock Wave Lithotripsy
- ♦ Assess the physical principles, types of energy and those of Extracorporeal Shock Wave Lithotripsy
- ♦ Examine the results, complications and post-procedure follow-up, as well as the latest advances in this technology
- ♦ Establish recommendations based on clinical guidelines and develop radiation protection strategies in the context of Endourology
- ♦ Analyze the historical evolution of endourology and its current applications, focusing on technological and surgical advances
- ♦ Examine renal and ureteral anatomy relevant to endourology, establishing its importance in the execution of procedures
- ♦ Assess the criteria for the selection of surgical techniques and energy sources in Endourology
- ♦ Identify the endourological approaches and specific equipment used in semirigid ureteroscopy
- ♦ Delve into the historical evolution of flexible ureteroscopy and its development
- ♦ Evaluate the standard and extended indications for Retrograde Intrarenal Surgery
- ♦ Examine the materials, surgical techniques and advanced technologies used in Retrograde Intrarenal Surgery
- ♦ Identify intraoperative and postoperative complications, establishing strategies for their prevention and management, with a focus on the application of ALARA principles
- ♦ Analyze the different patient positions in percutaneous nephrolithotomy

A



C



### Specific Objectives

- Define ureterolithotomy and pyelolithotomy procedures in their open, laparoscopic and robotic variants
- Examine approaches to Lithiasis in Renal Malformations
- Analyze anatomical nephrolithotomy, its indications and the technical details of its execution
- Establish the role of Nursing in instrumentation and assistance during laparoscopic or robotic procedures



*You will learn valuable lessons by solving real urological clinical cases in simulated learning environments"*



# 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.

“*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".

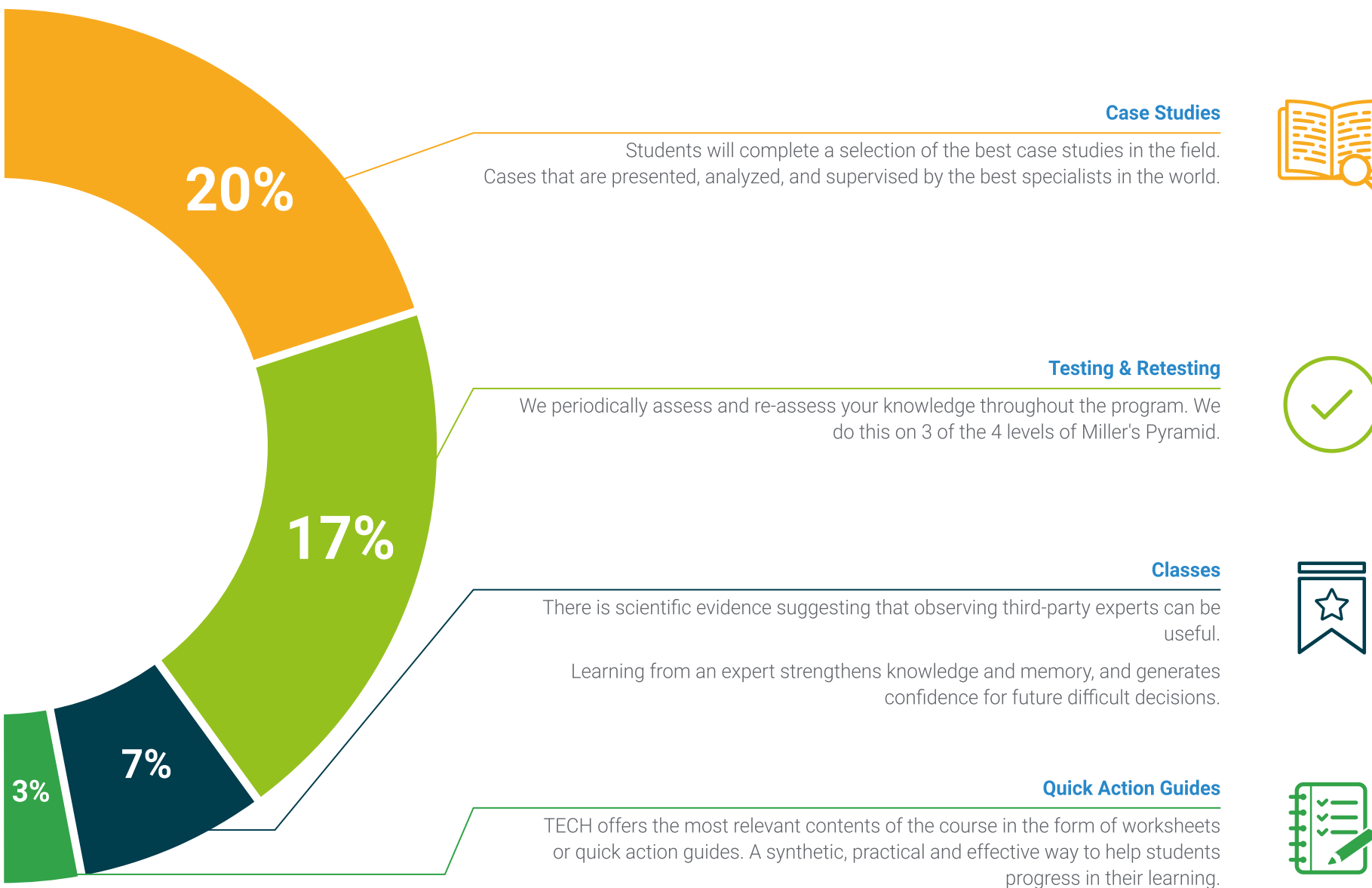


#### Additional Reading

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







06

# Teaching Staff

TECH's priority is to offer the most holistic, up-to-date and pragmatic university programs on the education market. To achieve this, it carries out a rigorous process to select its respective teaching staff. As a result of this effort, this Postgraduate Certificate has the collaboration of renowned experts in the field of Urology. These professionals have extensive work experience, where they have applied the most modern techniques of Open, Laparoscopic and Robotic Surgery for the treatment of Renal Lithiasis. Graduates therefore have the guarantees they need to embark on an intensive experience that will optimize their daily clinical practice.



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*You will have access to a syllabus  
designed by true experts in the field of  
Open, Laparoscopic and Robotic Surgery  
for Renal Lithiasis"*



## Management



### **Dr. Servera Ruiz de Velasco, Antonio**

- Director of Endourology and Lithiasis at the Hospital of Manacor
- Urology Specialist at Juaneda Miramar Hospital
- Internship in Laparoscopic Pelvic and Retroperitoneal Surgery at Heidelberg University Hospital
- Scientific Researcher
- Director of 6 international Clinical Trials
- Internship in Robotic Surgery at the Institut Mutualiste Montsouris
- Internship in Laparoscopic and Percutaneous Surgery at the Italian Hospital of Buenos Aires
- PhD in Health Sciences from the University of the Balearic Islands
- Degree in Medicine and Surgery from the University of Zaragoza
- Member of the European College of Urology

## Professors

### Dr. Cogorno Wasylkowski, Leopoldo

- ♦ Urology Specialist at La Princesa University Hospital
- ♦ Urologist at Infanta Sofía University Hospital
- ♦ Doctor at Nuestra Señora del Rosario Hospital
- ♦ Physician at LYX Urology
- ♦ Urologist at HM Torrelodones University Hospital
- ♦ Specialist in Urological Oncology
- ♦ Expert in Laparoscopic Surgery, Thoracoscopy and Robotics
- ♦ Residency in Urology at the Santa Bárbara Hospital in Soria
- ♦ Master's Degree in Advanced Prostate Cancer from the University of Salamanca
- ♦ Master's Degree in Comprehensive Management of Localized, Advanced and Metastatic Renal Cancer
- ♦ Bachelor's Degree in Medicine and Surgery from the Central University of Venezuela
- ♦ Certification as a Fellow of the European Board of Urology
- ♦ Member of the European Association of Urology

### Dr. Martínez Siquier, Lidia

- ♦ Robotic Surgical Nurse at Quirónsalud Rotger Clinic
- ♦ Adult and Pediatric Hospitalization Nurse at Quirónsalud Rotger Clinic
- ♦ Day Hospital and Oncology Nurse at Quirónsalud Rotger Clinic
- ♦ Advanced Life Support Specialist
- ♦ Expert in Innovation in Operating Room and Sterilization Management
- ♦ Laparoscopic and Robotic Surgery Specialist
- ♦ Degree in Nursing from the University of the Balearic Islands

### Dr. Del Pozo Jiménez, Gema

- ♦ Specialist in Urology at the Gregorio Marañón University Hospital
- ♦ Urologist at Zarzuela Hospital
- ♦ Medical expert in Urology at HM Torrelodones Hospital
- ♦ Specialist in Laparoscopic, Thoracoscopic and Robotic Surgery
- ♦ Physician at Nuestra Señora del Rosario University Hospital
- ♦ Residency in Urology at Puerta de Hierro Hospital in Majadahonda
- ♦ PhD in Health Sciences from the Complutense University of Madrid
- ♦ Master's Degree in Comprehensive Medical and Surgical Management of Renal Cancer from the University of Salamanca
- ♦ Master's Degree in Medical Expertise and Bodily Injury Assessment from the University of Alcalá
- ♦ Master's Degree in Health Research Methodology from the Autonomous University of Barcelona
- ♦ Master's Degree in Advanced Prostate Cancer from the University of Salamanca
- ♦ University Expert in Advanced Urological Surgery from the European University
- ♦ Bachelor's Degree in Medicine and Surgery from the University of Alcalá

**Dr. Cadillo-Chávez, Ronald**

- ♦ Physician and Surgeon at the Center for Advanced Urology and Robotic Surgery
- ♦ Surgeon at the Edgardo Rebagliati Martins National Hospital
- ♦ Expert in Robotics, Oncology and Reconstructive Surgery
- ♦ Peruvian Marine Corps doctor
- ♦ Researcher in the Kidney Transplant Program
- ♦ Urology Residency at the Puerto Rico College of Medicine
- ♦ PhD in Medicine and Surgery from the National University of San Marcos
- ♦ Master's Degree in Urology from the National University of San Marcos
- ♦ Master's Degree in General Surgery from the University of Puerto Rico

**Dr. Romero Jiménez, Alma María**

- ♦ Surgical Nurse at the Hospital of Manacor
- ♦ Surgical Nurse at the Hospital Son Espases
- ♦ Surgical Nurse at the Hospital Son Llatzer
- ♦ Surgical Nurse at the Hospital Llevant
- ♦ Instrumentalist Nurse at Palex Medical
- ♦ Neurosurgery Instrumentalist Nurse at Vithas Sevilla Hospital
- ♦ Expert in Oxygen Therapy and Mechanical Ventilation for critical patients
- ♦ Master's Degree in Pharmacotherapy for Nursing from the University of Valencia
- ♦ University Expert in Emergencies and Urgencies from the Open University of Madrid
- ♦ University Expert in Minor Surgery for Nursing from the Pablo de Olavide University
- ♦ Diploma in Nursing







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*All the lecturers on this program have extensive experience, offering you an innovative perspective on the main advances in this field of study"*

# 07 Certificate

The Postgraduate Certificate in Open, Laparoscopic and Robotic Surgery for Renal Lithiasis 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 university 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 Open, Laparoscopic and Robotic Surgery for Renal Lithiasis** 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.

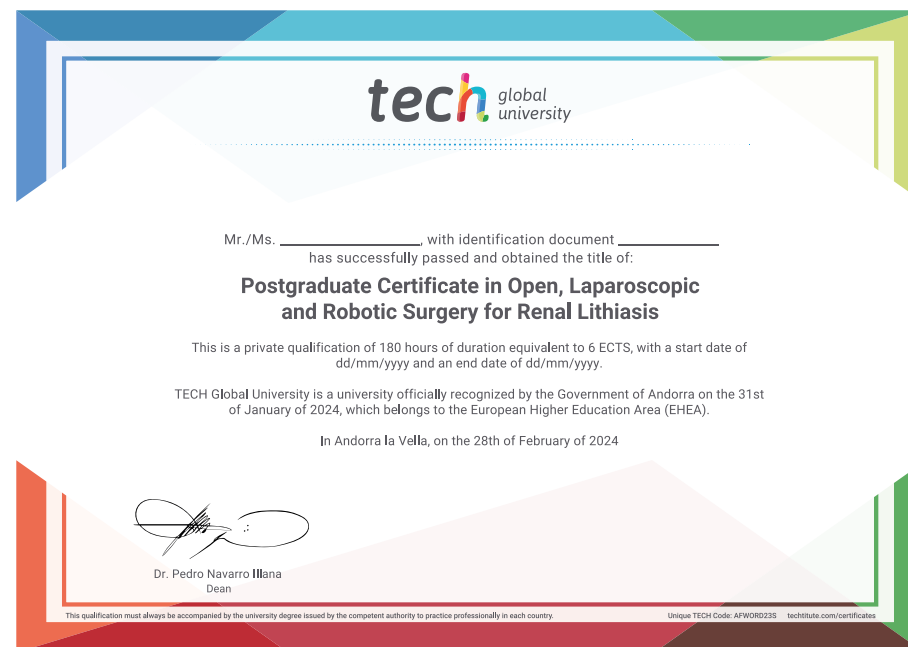
This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Open, Laparoscopic and Robotic Surgery for Renal Lithiasis**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**



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



## Postgraduate Certificate

Open, Laparoscopic and  
Robotic Surgery  
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## Open, Laparoscopic and Robotic Surgery for Renal Lithiasis

