

Postgraduate Certificate

Update on Retrograde Intrarenal Surgery (RIRS)





Postgraduate Certificate Update on Retrograde Intrarenal Surgery (RIRS)

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

Accesso web: www.techtitude.com/us/medicine/postgraduate-certificate/update-retrograde-intrarenal-surgery-rirs

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01

Introduction to the Program

Retrograde Intrarenal Surgery (RIRS) has become a key tool in the management of prevalent urological conditions such as Kidney Stones. Among the advantages of this minimally invasive procedure is its ability to access the renal collecting system without the need for external incisions, significantly reducing associated risks such as excessive bleeding. However, this field has seen new advances due to the integration of tools such as flexible ureteroscopes, more efficient laser systems and three-dimensional visualization methods. For this reason, specialists must keep up to date with the latest innovations in this area to optimize their clinical results. With this idea in mind, TECH has developed a pioneering online university program focused on the latest urological techniques.



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Through this 100% online Postgraduate Certificate, you will master the most modern techniques of Retrograde Intrarenal Surgery (RIRS) and significantly optimize the precision of your surgical interventions”

According to a recent report published by the World Health Organization, kidney disease causes more than 850,000 deaths a year, ranking among the top 10 causes of global mortality. Among these conditions, the generation of Kidney Stones has a significant impact on the quality of life of patients and on the costs of the health system. In response to this situation, Retrograde Intrarenal Surgery (RIRS) has proven to be an effective intervention, with success rates of over 90% in the elimination of Lithiasis and which has notably reduced post-operative complications in comparison with traditional surgical methods. In view of this, professionals have the responsibility to develop advanced clinical skills to manage this technology efficiently with the aim of increasing the overall well-being of patients.

In this context, TECH presents an avant-garde Postgraduate Certificate in Update on Retrograde Intrarenal Surgery (RIRS). Designed by experts in the field of urology, the educational program will delve into subjects ranging from the historical evolution of flexible ureteroscopy or instrumentation materials necessary to perform this procedure to the most modern strategies to optimize postoperative recovery. In this way, graduates will gain advanced clinical skills to master the most sophisticated minimally invasive techniques and the proper use of cutting-edge equipment such as laser devices.

On the other hand, with regard to the methodology of this university program, TECH relies on its groundbreaking Relearning teaching system. This method consists of the progressive reiteration of key concepts to ensure that graduates achieve a full understanding of the content. Furthermore, to access all the teaching resources, the only thing that physicians will need is an electronic device with an Internet connection (such as a mobile phone, tablet or computer). As such, they will be able to access the Virtual Campus and enjoy the benefits of highly dynamic content updates.

This **Postgraduate Certificate in Update on Retrograde Intrarenal Surgery (RIRS)** 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 develop an approach based on solving clinical problems, which will allow you to manage intraoperative difficulties through decision making based on scientific evidence"

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Thanks to TECH's characteristic Relearning system, you will reinforce essential concepts naturally and will not have to rely on traditional methods such as memorization”

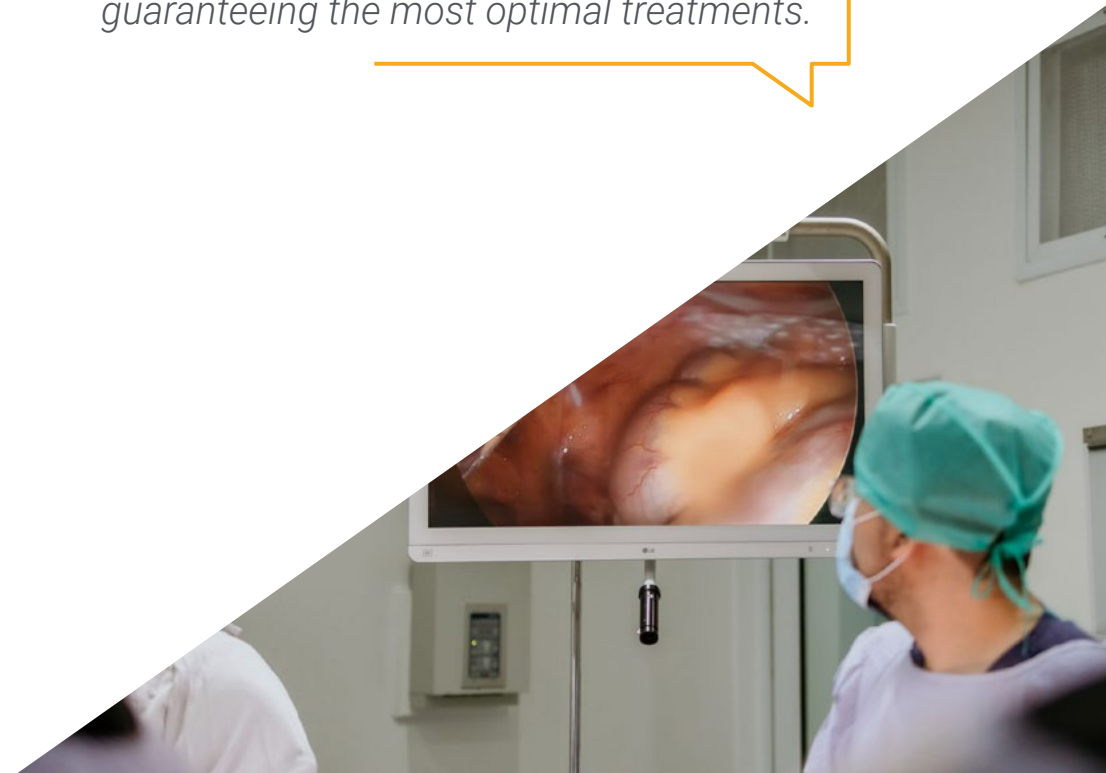
The program's teaching staff includes professionals from the field who contribute their work experience to this educational program, as well as renowned specialists from leading societies and prestigious universities.

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 learn more about the different techniques of laser fragmentation and vaporization to fully address Renal Lithiasis.

You will critically assess the most appropriate therapeutic alternatives based on the clinical profile of the patients, guaranteeing the most optimal treatments.



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

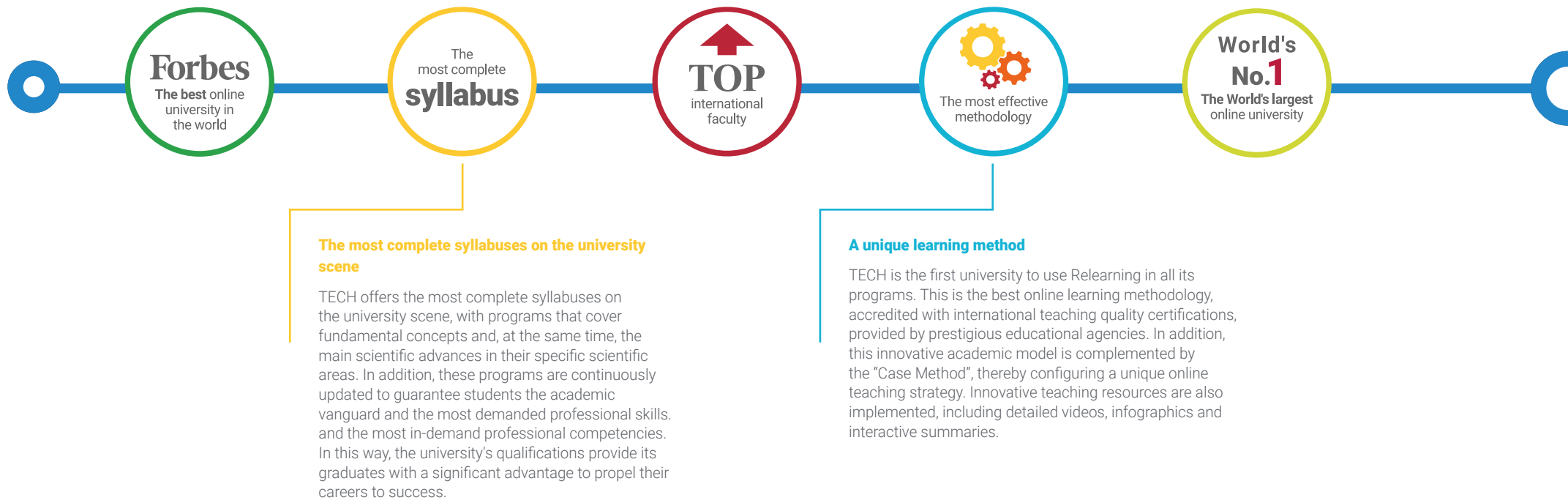
The prestigious Forbes magazine, specialized in business and finance, has highlighted TECH as "the best online university in the world" This is what they have recently stated in an article in their digital edition in which they echo the success story of this institution, "thanks to the academic offer 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 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 is made up of various teaching materials that offer a complete overview of flexible ureteroscopy, from its historical evolution to the most advanced techniques in the management of Renal Lithiasis.

In this way, the syllabus will delve into standard surgical indications, the types of ureteroscopes and the optimized use of laser in intrarenal procedures.

Along the same lines, the university program will address key factors such as pressure or temperature management, as well as the application of the ALARA principle and the management of postoperative complications.



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You will stand out for maintaining high ethical standards, guaranteeing the safety and well-being of individuals during surgical procedures to address urological conditions”

Module 1. Retrograde Intrarenal Surgery

- 1.1. Flexible Ureteroscopy. Evolution Over Time
 - 1.1.1. History of the Ureteroscopy
 - 1.1.2. Evolution of Ureteroscopy
 - 1.1.3. Present of the Ureteroscopy
- 1.2. Flexible Ureteroscopy Indications and Extended Indications
 - 1.2.1. Standard Indications for Retrograde Intrarenal Surgery
 - 1.2.2. Extended Indications for Retrograde Intrarenal Surgery
 - 1.2.3. Future Indications for Retrograde Intrarenal Surgery
- 1.3. Material in Flexible Ureteroscopy
 - 1.3.1. Instrumentation Material
 - 1.3.2. Ureteral Access Sheaths
 - 1.3.3. Endoscopic Baskets and Other Work Materials
- 1.4. Standard Technique for Retrograde and Antegrade Flexible Ureteroscopy in Urolithiasis
 - 1.4.1. Patient Positioning for Flexible URS
 - 1.4.2. Surgical Technique and Tricks
 - 1.4.3. Postoperative Urinary Diversion: When and How
- 1.5. Types of Flexible Ureteroscopes
 - 1.5.1. Fiber-Optic vs. Digital Ureteroscopes
 - 1.5.2. Reusable and Disposable Ureteroscopes
 - 1.5.3. Aspiration in Flexible Ureteroscopy
- 1.6. Laser in Flexible Ureteroscopy
 - 1.6.1. Laser Fragmentation and Vaporization Techniques in Flexible Ureteroscopy
 - 1.6.2. Optimization of Laser Parameters for the Treatment of Lithiasis in Flexible Ureteroscopy
 - 1.6.3. Safety in the Management of Ureteral Stones
- 1.7. Intrarenal Pressure and Temperature in Flexible Ureteroscopy
 - 1.7.1. Pressure and Temperature in Retrograde Intrarenal Surgery
 - 1.7.2. Complications Attributed to Intrarenal Pressure and Temperature During Intrarenal Retrograde Surgery
 - 1.7.3. Methods of Measuring Intrarenal Temperature and Pressure in Intrarenal Retrograde Surgery
 - 1.7.4. Methods of Irrigation of Intrarenal Temperature and Pressure in Intrarenal Retrograde Surgery





- 1.7.5. Optimal Management of Intrarenal Temperature and Pressure during Retrograde Intrarenal Surgery
- 1.7.6. Future of Retrograde Intrarenal Surgery in Intrarenal Temperature and Pressure
- 1.8. ALARA in Flexible Ureteroscopy
 - 1.8.1. Radiation in Retrograde Intrarenal Surgery
 - 1.8.2. Radiation Complications in Patients and Healthcare Personnel
 - 1.8.3. ALARA Applied to Retrograde Intrarenal Surgery
 - 1.8.4. Strategies for Applying ALARA in Retrograde Intrarenal Surgery
 - 1.8.5. Fluoroscopy-free Retrograde Intrarenal Surgery
- 1.9. Complications and Postoperative Management in Flexible Ureteroscopy
 - 1.9.1. Flexible Ureteroscopy. Postoperative Care
 - 1.9.2. Early and Late Diagnosis of Postoperative Complications
 - 1.9.3. Treatment and Prevention of Complications
- 1.10. The Future of Flexible Ureteroscopy
 - 1.10.1. Suction in Flexible Ureteroscopy
 - 1.10.2. Pressure in Flexible Ureteroscopy
 - 1.10.3. Laser in Flexible Ureteroscopy



You will enjoy a myriad of supporting multimedia resources that will liven up your academic experience, such as in-depth videos and specialized readings"

04

Teaching Objectives

Thanks to this comprehensive university program, physicians will develop advanced clinical skills in the field of Retrograde Intrarenal Surgery (RIRS).

Throughout the program, which is based on a highly practical approach, graduates will acquire skills in the use of cutting-edge instruments such as flexible ureteroscopes, advanced fragmentation techniques and even laser vaporization. They will also be able to effectively manage essential aspects such as pressure or temperature during procedures. In addition, physicians will master ALARA strategies to minimize risks associated with radiation and in the postoperative management of complications.



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You will skillfully use state-of-the-art technological instruments such as Flexible Ureteroscopes, which will help you maximize the effectiveness of your therapeutic plans”



General Objectives

- ♦ 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 (RIRS)
- ♦ 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

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Specific Objectives

- Define the indications and limitations of the different types of flexible ureteroscopes
- Analyze surgical techniques and the management of intraoperative variables such as pressure or temperature
- Examine the use of lasers and evaluate their effectiveness in the fragmentation of kidney stones
- Establish measures to reduce exposure to radiation and manage intraoperative complications



You will design strategies based on the latest scientific postulates for the treatment of Renal Lithiasis and you will reduce the risk of complications such as excessive bleeding"

04 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.

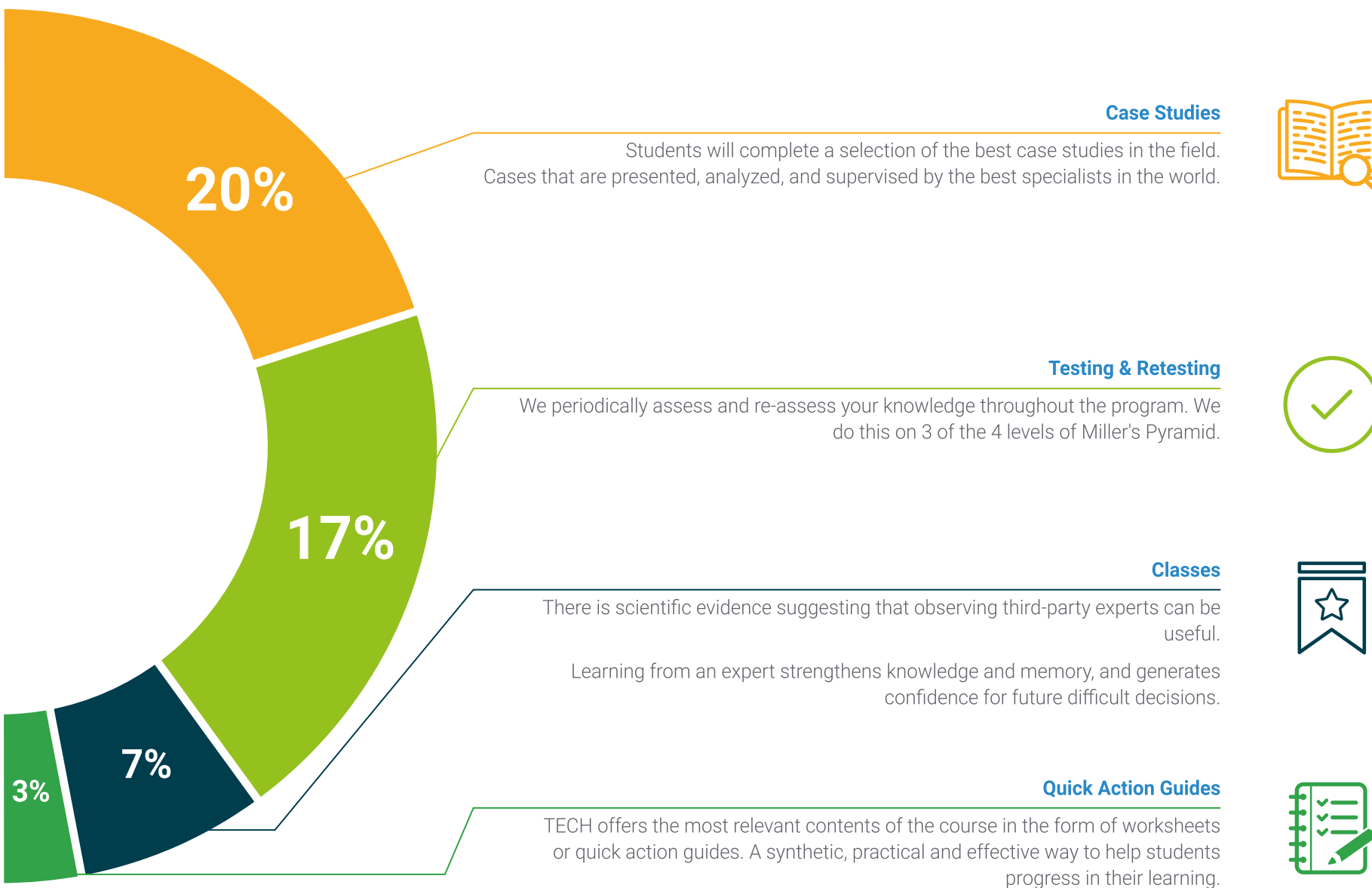
This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".



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

Teaching Staff

True to its philosophy of providing the most comprehensive and up-to-date university programs on the educational market, TECH carries out an exhaustive process to set up each of its teaching staffs. For this Postgraduate Certificate, it has called on the services of true references in the field of Urology, who have extensive experience in the use of Retrograde Intrarenal Surgery (RIRS). Thanks to this, they have created numerous teaching materials characterized by their excellent quality and by their adaptation to the needs of the current labor market. Without a doubt, an immersive experience that will allow graduates to considerably improve their clinical practice.



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You will have the support of a teaching team made up of experienced professionals in the field of Retrograde Intrarenal Surgery (RIRS)”

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. Angerri, Oriol

- ♦ Head of the Lithiasis Unit of the Urology Service at the Puigvert Foundation
- ♦ Urologist at the Corachan Clinic
- ♦ Urology Physician at the Red Cross
- ♦ Specialist in Urology at Dexeus Clinic
- ♦ Physician in Internal Medicine, Surgery, Pediatrics and Gynecology at the Clinical Hospital of Barcelona
- ♦ Internship at Karolinska Institute of Sweden
- ♦ Internship in the Department of Urology at the University of Miami
- ♦ Residency in Urology at Puigvert Foundation, Barcelona
- ♦ PhD in Research Proficiency from the Autonomous University of Barcelona
- ♦ Master's Degree in Tissue Engineering from the University of Granada
- ♦ Bachelor's Degree in Medicine and Surgery from the University of Barcelona
- ♦ Member of: Spanish Association of Urology and European Association of Urology

Dr. Kanashiro Azabache, Andrés Koey

- ♦ Physician in the Department of Urology, Kidney Transplantation and Lithiasis at the Puigvert Foundation
- ♦ Urology Physician at the Sant Jaume Regional Hospital in Calella
- ♦ Clinical Researcher
- ♦ Urology Consultant at the Asepeyo Clinic
- ♦ Urology Residency at the Puigvert Foundation
- ♦ Degree in Medicine and Surgery from the Cayetano Heredia University of Peru
- ♦ Certification as a Fellow of the European Board of Urology
- ♦ Member of: European Association of Urology and Spanish Association of Urology

Dr. Fumero Arteaga, Sergio

- ♦ Director of the Lithiasis Unit at the Nuestra Señora de Candelaria University Hospital
- ♦ Expert in Endourology and Minimally Invasive Surgery
- ♦ Clinical Researcher
- ♦ Residency in Urology at the University Hospital of the Canary Islands
- ♦ Degree in Medicine from the University of La Laguna
- ♦ Certification as a Fellow of the European Board of Urology
- ♦ Member of: European Association of Urology and Spanish Association of Urology

Dr. Emiliani Sanz, Esteban

- ♦ Doctor in the Lithiasis Unit at the Puigvert Foundation
- ♦ Editor of *"Actas Españolas de Urología"*
- ♦ Editor of *"World Journal of Urology"*
- ♦ Internship in Endourology and Lithiasis at Muljibhai Patel Urological Hospital
- ♦ Endourology and Kidney Stones Internship at Tenon Hospital
- ♦ Urology Residency at the Puigvert Foundation, Barcelona
- ♦ Degree in Medicine and Surgery from the Javeriana Pontifical University
- ♦ Certification as a Fellow of the European Board of Urology
- ♦ Member of: International Society of Urology and European Board of Urology Assessment Committee

Dr. Verri, Paolo

- ♦ Physician in the Department of Urology and Lithiasis at the Puigvert Foundation
- ♦ Urology Physician at the San Luigi Sanatorium
- ♦ Clinical Researcher
- ♦ Residency in Oncology and Renal Transplantation at the Puigvert Foundation
- ♦ PhD in Medicine and Surgery from the University of Brescia

Dr. Sebastián González, Mariano

- ♦ Head of the Endourology, Lithiasis and Laser Section at the Italian Hospital of Buenos Aires
- ♦ Director of the Laser Area of the Urology Department at the Italian Hospital of Buenos Aires
- ♦ Specialist in Endourology and Lithiasis Diseases
- ♦ Staff Physician, Renal Transplant Section at the Italian Hospital of Buenos Aires
- ♦ Residency in Urology at the Italian Hospital of Buenos Aires
- ♦ PhD in Urology from the Argentine Society of Urology
- ♦ Degree in Medicine from the H.A. Barceló Foundation
- ♦ Member of: Argentine Society of Urology, Endourological Society, International Society of Urology, Ecuadorian Society of Urology, Venezuelan Society of Urology, Mexican Society of Urology and Urological Association of Central America and the Caribbean





Dr. Rivero Cárdenes, Alberto

- ♦ Director of Endourology at the University Hospital of Burgos
- ♦ Urologist at San Roque Hospitals
- ♦ Expert in Urinary Lithiasis
- ♦ Physician at Recoletas Burgos Hospital
- ♦ Clinical Researcher
- ♦ Residency in Urology at the Río Hortega University Hospital
- ♦ Degree in Medicine and Surgery from the University of Santiago de Compostela
- ♦ Member of: Spanish Society of Urology, European Association of Urology and Endourological Society

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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 Update on Retrograde Intrarenal Surgery (RIRS) 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 Update on Retrograde Intrarenal Surgery (RIRS)** 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.

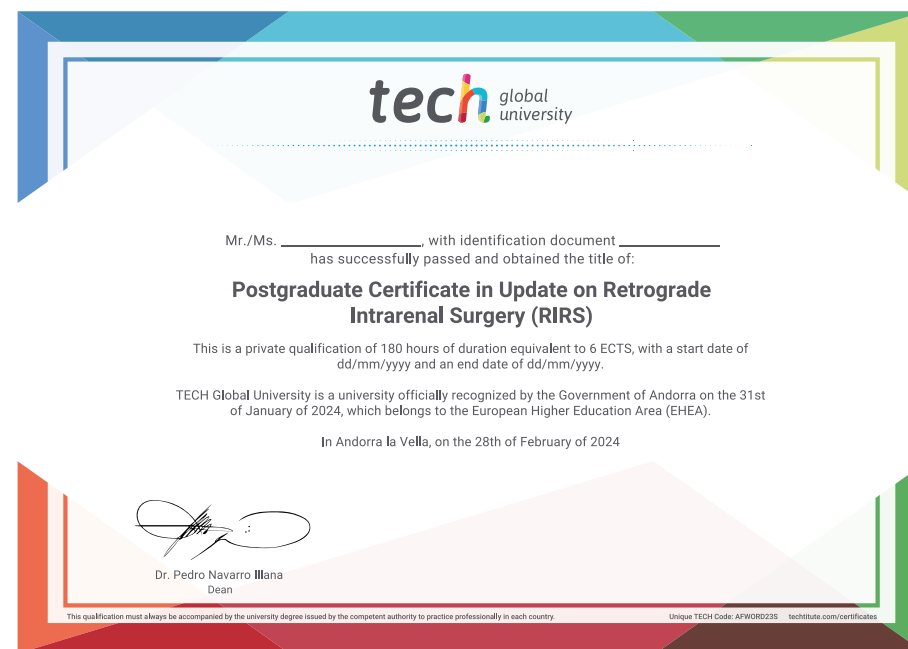
This **TECH Global University** private qualification, is a European program of continuing education and professional updating that guarantees the acquisition of competencies in its area of knowledge, providing a high curricular value to the student who completes the program.

Title: **Postgraduate Certificate in Update on Retrograde Intrarenal Surgery (RIRS)**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**





Postgraduate Certificate

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Intrarenal Surgery (RIRS)

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