Postgraduate Certificate

Advanced Treatment of Urolithiasis in Special Situations

tech global university

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Advanced Treatment of Urolithiasis in Special Situations

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

Website: **www.techtitute.com/us/medicine/postgraduate-certificate/advanced-treatment-urolithiasis-special-situations**

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01

Introduction to the Program

The treatment of Urolithiasis has evolved significantly in recent decades, moving from conservative approaches to minimally invasive interventions and even advanced robotic technologies. However, the approach to Kidney Stones continues to be a challenge for patients with special conditions such as those with Congenital Anomalies, Renal Failure or Pregnancies. In this context, physicians need to design and implement highly individualized therapeutic plans that combine techniques such as robotic surgery or electromagnetic lithotripsy. Only in this way will professionals optimize clinical outcomes and reduce complications in these complex cases. To support them in this task, TECH has developed a pioneering university program focused on the management of Kidney Stones in Special Situations.

In addition, it is taught in a convenient online format.

Thanks to this 100% online program, you will design highly individualized therapeutic plans to address Urolithiasis in a comprehensive way in patients with Special Situations"

According to a new report published by the World Health Organization, the incidence of Urolithiasis has increased considerably in recent years.
In fact, the organization estimates that this condition affects more than 200 million individuals worldwide. In addition to this, a large proportion of these people belong to vulnerable populations such as pregnant women or people with additional conditions such as Congenital Malformations. For this reason, it is essential that experts develop advanced skills to incorporate state-of-the-art technological instruments such as three-dimensional imaging systems into their daily clinical practice. In this way, physicians will be able to carry out more effective therapeutic approaches that will result in lower complication rates and, therefore, significantly improve the general well-being of patients.

In this context, TECH presents a cutting-edge program in Advanced Treatment of Urolithiasis in Special Situations. Conceived by references in this health specialty, the syllabus will delve into subjects ranging from the role of bacteria in the formation of Renal Lithiasis or different diagnostic assessment techniques to therapeutic plans for complex conditions such as Kidney Stones in people with Musculoskeletal Disorders. Likewise, the syllabus will delve into the approach to urological conditions in children, which will allow professionals to design interventions according to their anatomical and physiological characteristics. In this way, graduates will develop advanced technical skills to integrate state-of-the-art technological tools to improve the quality of life of individuals with urological conditions in particular circumstances.

Furthermore, this university program is 100% online, allowing physicians to plan their own schedules. Therefore, the only thing specialists will need is a device with an Internet connection to access the Virtual Campus. In this sense, TECH uses its disruptive Relearning methodology, which consists of the progressive reiteration of the key aspects of the syllabus to guarantee its optimal natural assimilation.

This **Postgraduate Certificate in Advanced Treatment of Urolithiasis in Special Situations** 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 self-assessment process can be carried out 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 choose the most appropriate surgical techniques according to the specific characteristics of the Kidney Stones and the specific needs of the individuals"

You will be able to identify complications related to Kidney Stones at an early stage, which will allow you to adapt therapeutic strategies according to the patient's needs"

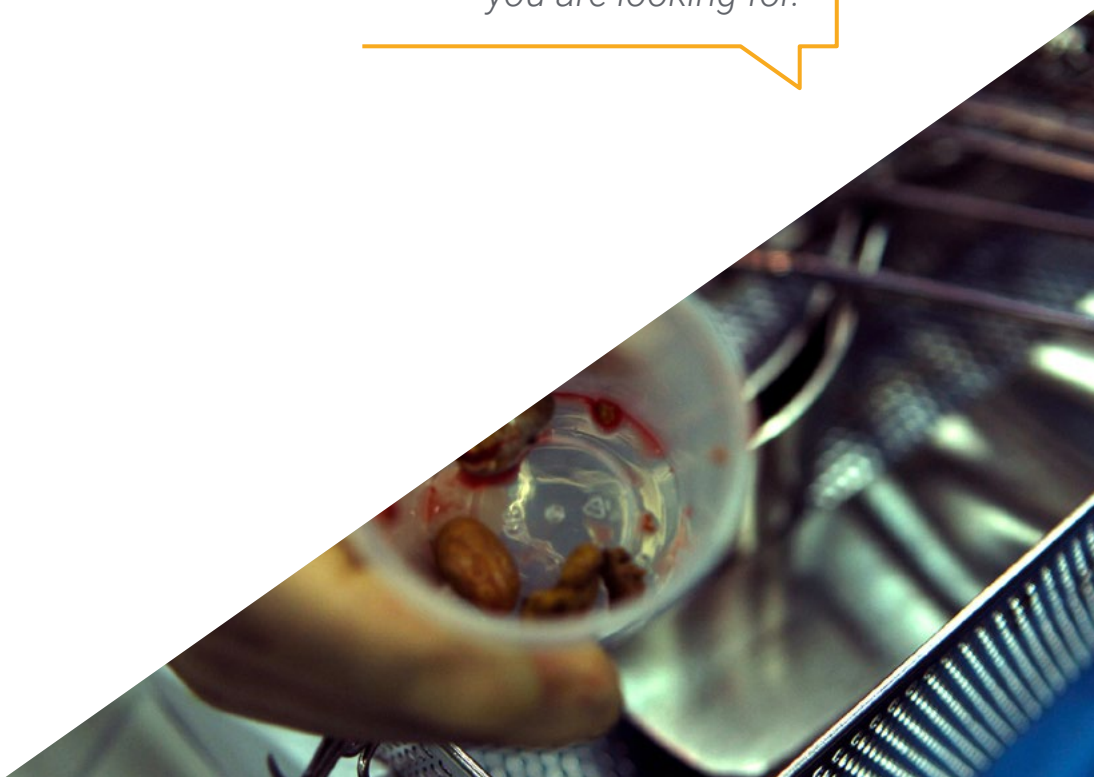
You will provide a comprehensive approach to the treatment of Urolithiasis, considering metabolic, genetic and environmental aspects related to the formation of Kidney Stones.

With TECH's revolutionary Relearning methodology, you will assimilate knowledge optimally to successfully achieve the results you are looking for.

The program's teaching staff includes professionals from the sector who contribute their work experience to this specializing 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.



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.

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

The syllabus for this Postgraduate Certificate offers a comprehensive overview, from the most cutting-edge fundamentals to specialized healthcare tools. In the different modules, physicians will explore in depth areas such as the creation of personalized tools to optimize clinical care, as well as other resources that allow for the remote personalization of patient care and monitoring. In addition, the entire syllabus has a unique teaching methodology, based on the reiteration of key concepts through the Relearning system and is delivered 100% online.

You will learn cutting-edge diagnostic techniques, including imaging methods and specific laboratory tests for cases of Urolithiasis in Special Situations"

Module 1. Urinary Lithiasis in Special Situations

1.1. Urolithiasis Associated with Chronic Urinary Infection
- 1.1.1. The Role of Bacteria in the Formation and Growth of Urolithiasis
- 1.1.2. Therapeutic Management
- 1.1.3. Colonization and Catheters

1.2. Urolithiasis in the Caliceal Diverticulum. Indications and Endourological Treatment
- 1.2.1. Epidemiology, Etiopathogenesis and Classification Systems
- 1.2.2. Diagnosis: Clinical Manifestations, Associated Metabolic Alterations
- 1.2.3. Imaging Tests
- 1.2.4. Therapeutic Strategies
  - 1.2.4.1. Extracorporeal Lithotripsy: Indications and Results
  - 1.2.4.2. Flexible Ureterorenoscopy: Technique and Results
  - 1.2.4.3. Percutaneous Nephrolithotomy: Technique and Results
  - 1.2.4.4. Laparoscopic Approach: Technique and Results
  - 1.2.4.5. Endourology Techniques Results: Comparative Analysis of Recent Studies
  - 1.2.4.6. Proposed Algorithm for the Therapeutic Approach to Renal Lithiasis Located in the Caliceal Diverticulum

1.3. Treatment of Lithiasis in Renal Ectopia and Anatomical Anomalies
- 1.3.1. Renal Ectopia
- 1.3.2. Horseshoe Kidney
- 1.3.3. Polycystic Kidneys

1.4. Surgery for Lithiasis in Obesity and Musculoskeletal Disorders
- 1.4.1. Lithiasis Surgery: Key Aspects
- 1.4.2. Lithiasis Surgery in Obesity
- 1.4.3. Lithiasis Surgery in Musculoskeletal Disorders

1.5. Calcifications on Catheters
- 1.5.1. Physipathology of Encrustation of Double J Catheters
- 1.5.2. Impact of Calcification of Double J Catheters in Patients
- 1.5.3. Strategies to Reduce the Probability of Catheter Calcification in Patients

1.6. Urolithiasis in Urinary Diversions
- 1.6.1. Epidemiology
- 1.6.2. Etiopathogenesis
- 1.6.3. Therapeutic Management of Urolithiasis in Urinary Diversion

1.7. Lithiasis in Pregnancy
- 1.7.1. Epidemiology
- 1.7.2. Pathophysiology
  - 1.7.2.1. Anatomical and Physiological Changes During Pregnancy
  - 1.7.2.2. Lithogenesis: Mechanism of Stone Formation and Composition in Pregnant Patients
  - 1.7.2.3. Perinatal Effects Associated with Urolithiasis in Pregnant Women
- 1.7.3. Diagnostic Approach
  - 1.7.3.1. Clinical Manifestations, Physical Examination and Differential Diagnosis
  - 1.7.3.2. Laboratory Tests Metabolic Screening
  - 1.7.3.3. Fetal Imaging and Radiation Exposure Tests
- 1.7.4. Medical Treatment. Safety of Drugs for Urolithiasis Used in Pregnant Women
  - 1.7.4.1. Urinary Diversion: Modality and Indications
  - 1.7.4.2. Definitive Surgical Treatment
  - 1.7.4.3. Algorithm for the Diagnostic and Therapeutic Approach to Urolithiasis in Pregnant Patients

1.8. Lithiasis in Pediatric Patients
- 1.8.1. Indications
- 1.8.2. Surgical Technique
- 1.8.3. Patient Position and Anesthesia
- 1.8.4. Lithiasis in the Inferior Caliceal Group
- 1.8.5. Complications

1.9. Experimental Surgery and Endourology Training Programs
- 1.9.1. Barriers to Teaching and Learning Surgical Skills
- 1.9.2. Simulation-Based Training
- 1.9.3. Experimental Surgery

1.10. Lithiasis in the Transplanted Kidney
- 1.10.1. Epidemiology, Etiopathogenesis and Clinical Presentation
- 1.10.2. Treatment of Lithiasis in Renal Grafts
- 1.10.3. Real-World Experience

04

Teaching Objectives

Through this university qualification, physicians will be highly prepared to manage Urolithiasis in complex clinical contexts. In regard to this, graduates will develop advanced clinical skills to design and implement therapeutic plans according to the specific needs of each patient. Also, professionals will combine surgical interventions with pharmacological techniques and dietary plans to guarantee a substantial improvement in the quality of life of patients with Special Situations. In order to do this, they will use the most modern minimally invasive techniques to reduce the risk of complications and considerably reduce recovery times.

You will create individualized therapeutic plans that combine surgical, pharmacological, and dietary approaches to guarantee the general well-being of the patients"

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
- 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

Specific Objectives

- Analyze the treatment of lithiasis associated with chronic infections, anatomical abnormalities and pregnancy
- Define strategies for the treatment of Lithiasis in urinary diversions and kidney transplantation
- Assess the incidence and management of catheter calcifications and their clinical implications
- Propose specific approaches to Lithiasis in patients with special conditions, such as Obesity or Musculoskeletal Disorders.

You will obtain an approach based on solving complete clinical problems, making decisions based on the latest scientific evidence"

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.

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.

"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.

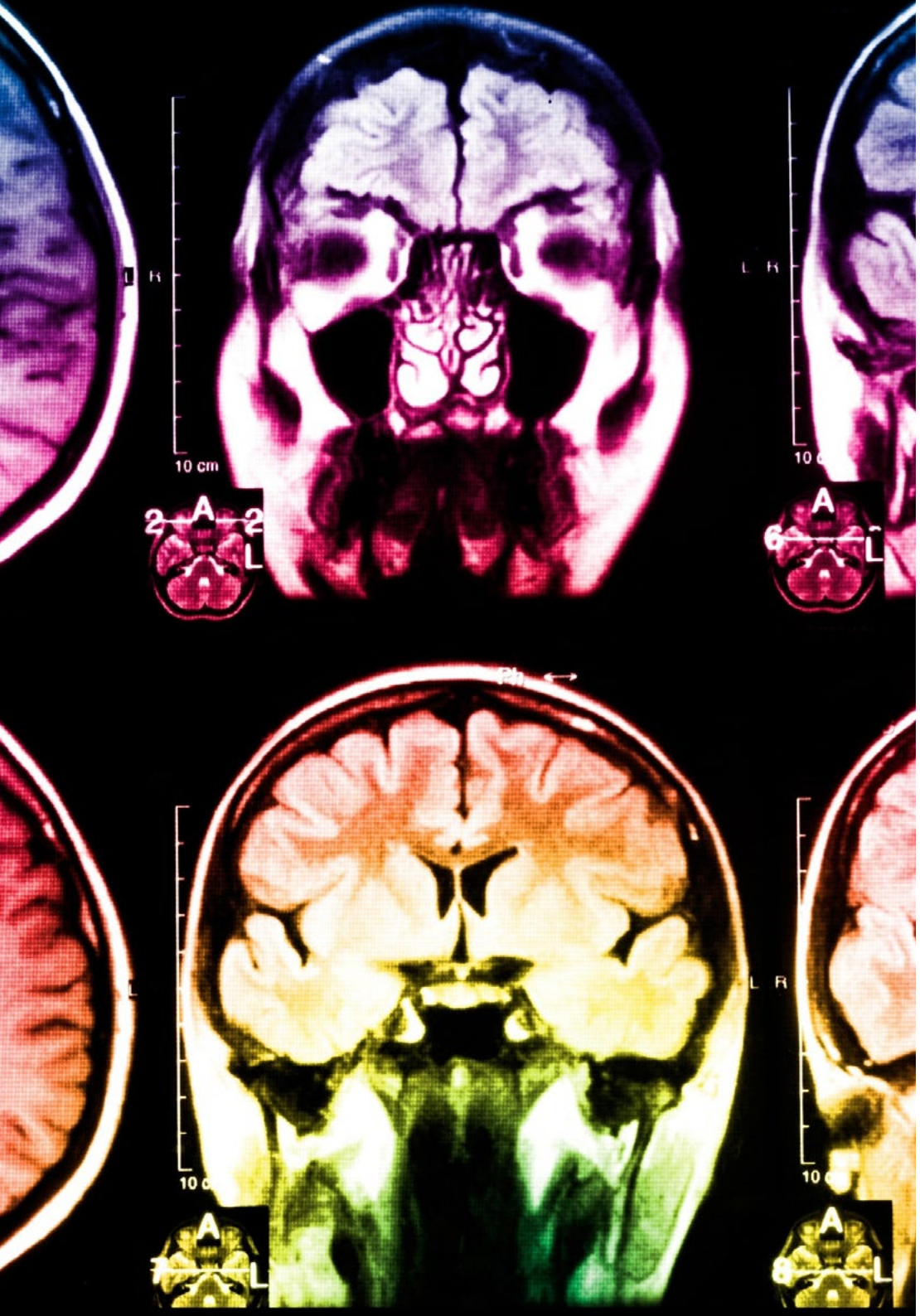
In order to facilitate tutor-student contact as much as possible, you will have a wide range of communication possibilities, both in real time and delayed (internal messaging, telephone answering service, email contact with the technical secretary, chat and videoconferences).

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.

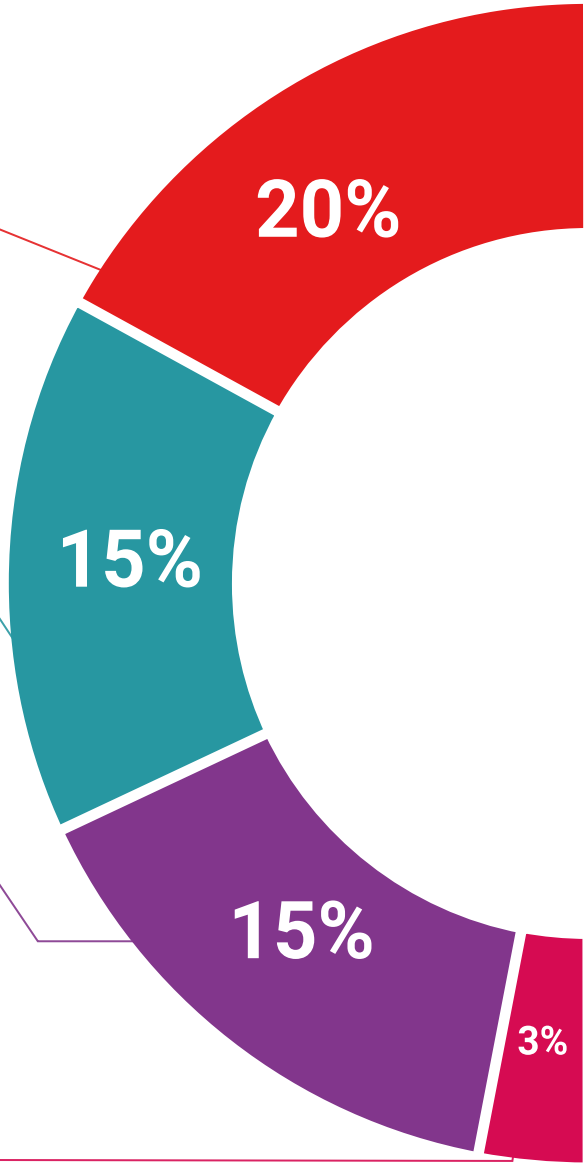
Interactive Summaries

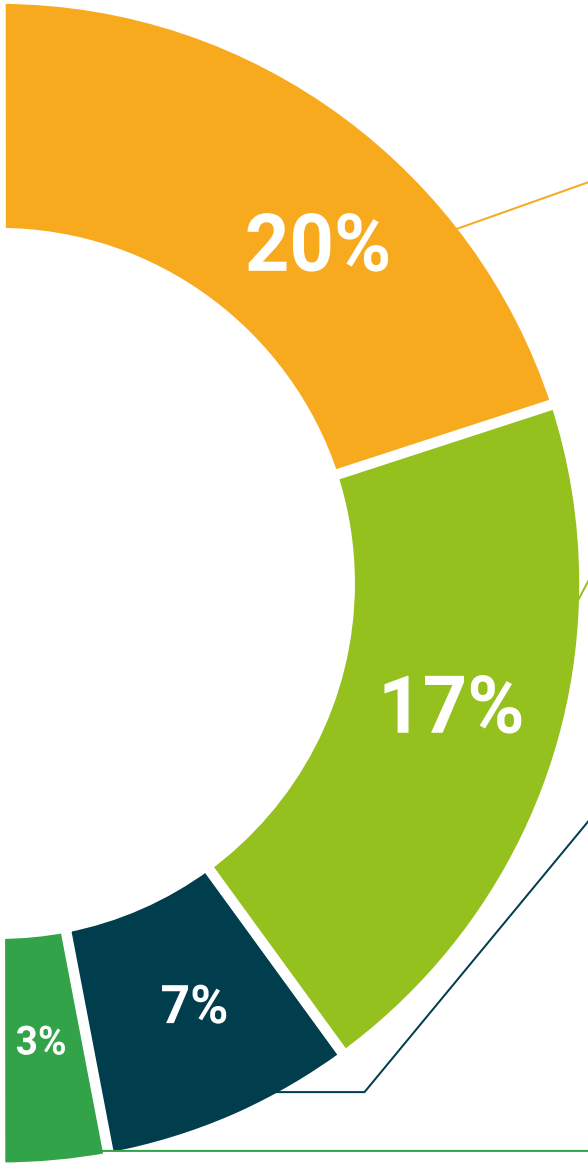
We present the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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.





Case Studies

Students will complete a selection of the best case studies in the field. Cases that are presented, analyzed, and supervised by the best specialists in the world.

Testing & Retesting

We periodically assess and re-assess your knowledge throughout the program. We do this on 3 of the 4 levels of Miller's Pyramid.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an expert strengthens knowledge and memory, and generates confidence for future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical and effective way to help students progress in their learning.

06

Teaching Staff

In its commitment to offering the most comprehensive and up-to-date university programs on the educational market, TECH follows a meticulous process for choosing its teaching staff. Thanks to this effort, the services of the best specialists in Advanced Treatment of Urolithiasis in Special Situations have been secured for the delivery of this Postgraduate Certificate. These professionals have therefore developed a large amount of educational content that stands out both for its high quality and for its adaptation to the demands of the current labor market. In this way, graduates will enjoy an immersive experience that will considerably improve their clinical practice.

You will have the support of the teaching team, made up of specialists in the Advanced Treatment of Urolithiasis in Special Situations"

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. Rodríguez García, Nuria

- Urologist at the Balearic Islands Health Service
- Urologist at the University Hospital of Burgos
- Clinical Researcher
- Residency in Urology at Getafe University Hospital
- Degree in Medicine and Surgery from the Central University of Barcelona

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. 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. Ballesta Martínez, Begoña

- Head of the Urology Department at the Vinalopó University Hospital
- Expert Urology Physician at the Quirón Salud Torrevieja Group
- Urology Specialist at Nuestra Señora de Candelaria University Hospital
- Urologist at José Molina Orosa University Hospital
- Internship in Minimally Invasive Oncological and Reconstructive Surgery at the Royal Perth Hospital
- Urology Residency at Patras University Hospital
- PhD in Urology from the University of La Laguna
- Bachelor of Medicine from the Miguel Hernández University
- Member of the European Association of Urology

Dr. Sureda Riera, Joan

- Urologist at the Hospital of Manacor
- Surgical SAP Instructor at the Clinical Hospital of Barcelona
- Specialist in Advanced Prostate Cancer Management
- Residency in Reconstructive Urology at the Urological Institute of London
- Master's Degree in Localized, Advanced and Metastatic Prostate Cancer from the University of Salamanca
- Master's Degree in Research Design and Analysis in Health Sciences from the Autonomous University of Barcelona
- Degree in Medicine and Surgery from the University of Barcelona
- Certification as a Fellow of the European Board of Urology
- Member of the Spanish Society of Radiation Oncology

Dr. Soria González, Federico

- Head of the Experimental Surgery Service at the Ramón y Cajal University Hospital
- President of the Animal Experimentation Ethics Committee
- Specialist in Endourology and Minimally Invasive Surgery applied to Urology
- Veterinarian at the Jesús Usón Minimally Invasive Surgery Center
- Clinical Researcher in Endoscopy at the Jesús Usón Minimally Invasive Surgery Center
- PhD in Animal Health and Medicine from the University of Extremadura
- Bachelor's Degree in Veterinary Medicine from the University of Extremadura
- Member of: Spanish Association of Veterinary Specialists in Small Animals, Spanish Society of Veterinary Surgery and Official College of Veterinarians

Dr. Aranda Pérez, Javier

- Urology Specialist at the University Hospital of Cáceres
- Urologist at the University Hospital of Vinalopó
- Clinical Projects Manager at the Spanish Association of Urology
- Residency in Urology at the University Hospital of Cáceres
- PhD in Conservative Management of Urothelial Carcinoma from the University of Extremadura
- Master's Degree in Advanced Minimally Invasive Urological Surgery from the University of Extremadura
- Master's Degree in Localized, Advanced and Metastatic Prostate Cancer from the University of Salamanca
- Master's Degree in Multidisciplinary Approach to Prostate Cancer from the Complutense University of Madrid
- Master's Degree in Integration of Medical Knowledge and Clinical Problem Solving from UCAM
- Degree in Medicine from the Complutense University of Madrid
- Certification as a Fellow of the European Board of Urology

Dr. Breda, Alberto

- Specialist in Urology Pioneer in Living Donor Renal Transplant Surgery
- Head of the Renal Transplant Surgical Team at the Puigvert Foundation. Barcelona
- Head of Oncology at the Puigvert Foundation
- Director of the Renal Cryotherapy Program at the University of California. Los Angeles
- Director of the Renal Transplant Guidelines at the European School of Urology
- Professor at the University of California
- Head of the Laparoscopy Working Group at the European Society of Urotechnology (ESUT)
- Medical Specialist in Urology at the University of Padua. Italy
- Doctor of Medicine and Surgery, University of Padua
- Fellow in Endourology, Laparoscopy and Oncological Robotics, Endourology and Renal Transplantation at the University of California
- Winner of the EAU Winter Forum Award 2012 for the best European urologist
- World's Best Young Urologist with the Arthur Smith Award given by the World Association of Endourology
- Member of: Editorial board of several national and international journals such as European Urology, Journal of Urology, Journal of Endourology, World Journal of Urology

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. Bujons Tur, Ana

- Director of Operations at the Puigvert Foundation
- Urology Specialist at the Plató Hospital, Barcelona
- Principal Investigator at the Research Institute - Santa Creu i Sant Pau Hospital
- Internship in Urological Laparoscopy at the Free University of Brussels
- PhD in Medicine and Surgery from the Autonomous University of Barcelona
- Master's Degree in Cosmetic, Aesthetic and Anti-Aging Medicine from the University of Barcelona
- Master's Degree in Health Management and Administration from the University of Barcelona
- Bachelor's Degree in Medicine and Surgery from the University of Barcelona
- Member of: Ibero-American Society of Pediatric Urology, Educational Committee of the European Society of Pediatric Urology and European Society of Urology

07

Certificate

The Postgraduate Certificate in Advanced Treatment of Urolithiasis in Special Situations 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.

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 Advanced Treatment of Urolithiasis in Special Situations** 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 Advanced Treatment of Urolithiasis in Special Situations**

Modality: **online**

Duration: **6 weeks**

Accreditation: **6 ECTS**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Mr./Ms. _____, with identification document _____
has successfully passed and obtained the title of:

Postgraduate Certificate in Advanced Treatment of Urolithiasis in Special Situations

This is a private qualification of 180 hours of duration equivalent to 6 ECTS, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH Global University is a university officially recognized by the Government of Andorra on the 31st of January of 2024, which belongs to the European Higher Education Area (EHEA).

In Andorra la Vella, on the 28th of February of 2024

Dr. Pedro Navarro Illana
Dean

This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country. Unique TECH Code: AFWORD23S techtitute.com/certificates

*Apostille Convention. In the event that the student wishes to have their paper diploma issued with an apostille, TECH Global University will make the necessary arrangements to obtain it, at an additional cost.

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Postgraduate Certificate

Advanced Treatment of Urolithiasis in Special Situations

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

Postgraduate Certificate

Advanced Treatment of Urolithiasis in Special Situations

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