

# Postgraduate Diploma

## Lower Urinary Tract Surgery





## Postgraduate Diploma Lower Urinary Tract Surgery

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

Website: [www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-lower-urinary-tract-surgery](http://www.techtute.com/us/medicine/postgraduate-diploma/postgraduate-diploma-lower-urinary-tract-surgery)

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# 01

# Introduction

Progress in the area of urological surgery and more specifically in relation to the Lower Urinary Tract (LUT) is incessant, which requires constant updating of the specialist. This Postgraduate Diploma is designed to facilitate the update on these advances, through the latest educational technology, so that they can develop the surgical practice safely, therefore improving the prognosis of patients.



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*The new scenarios push us to propose new training programs that meet the real needs of the most experienced professionals, so that they can incorporate the advances that are taking place in the surgical practice of the urinary tract"*

The Postgraduate Diploma in lower urinary tract surgery comprises possibly the most prevalent part of urological surgical pathology. In addition to lower and pelvic floor surgical anatomy and the latest advances in diagnostic and therapeutic techniques in urology, it covers all the advances in surgical pathology of the bladder, including the new techniques of en bloc transurethral resection, with the support of technology that optimizes the detection of tumors and carcinoma in situ (CIS) in the bladder.

Laparoscopy and more recently robotics have made possible a shorter postoperative period with fewer complications after radical surgery and intestinal bypasses that can now be approached intracorporeally, especially with 3D technology. Lymphadenectomy with fluorescence techniques such as ICG, as well as the treatment of non-tumorous bladder pathology also have their place in this expert.

Prostatic pathology is a very important part of the expert, and possibly the one in which there has been the greatest revolution in terms of surgical techniques in the last decade. As for benign pathology, the appearance of green, holmium and thulium lasers, as well as prostatic vaporization with bipolar technology, and minimally invasive techniques are already revolutionizing the treatment of benign prostatic hyperplasia (BPH). Laparoscopy, 3D laparoscopy, robotics, single port and fluorescence techniques minimize the morbidity of surgical treatment in cases of prostate tumor pathology. The application of techniques for the focal treatment of prostate cancer, avoiding overtreatment in low-risk cases, is also making great progress.

It also includes the treatment of urethral pathology, where open surgery is still used, with the use of buccal mucosa in cases of stenosis, which has significantly improved functional results in recent years.

This Postgraduate Diploma in Lower Urinary Tract Surgery is aimed at facilitating the update of surgical procedures and techniques of the lower urinary tract to the specialist, in a practical way through the latest educational technology.

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

- ♦ Clinical cases presented by experts. Its graphic, schematic and practical contents provide scientific and assistance information on those medical disciplines that are essential for professional practice
- ♦ Diagnostic and therapeutic novelties on the care of the surgical nephrourological patient
- ♦ Presentation of practical workshops on procedures, diagnostic and therapeutic techniques in nephrourological and lower urinary tract surgery
- ♦ Video lessons on the different pathologies and their management
- ♦ An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- ♦ Includes theoretical lectures, questions to the expert, discussion forums on controversial issues and individual reflection papers
- ♦ Content that is accessible from any fixed or portable device with an Internet connection



*Scientific evidence increases the quality of medical care. Keeping up to date is key to providing better care for the patient with urinary tract problems"*

“ *This Postgraduate Diploma is the best investment you can make when selecting an up-to-date program for two reasons: in addition to updating your knowledge in Lower Urinary Tract Surgery, you will obtain a qualification from TECH Technological University*”

Its teaching staff includes leading urologists, who contribute their work experience to this training, in addition to other specialists belonging to prestigious scientific societies.

Thanks to its multimedia content elaborated with the latest educational technology, this Postgraduate Diploma will allow the professional a situated and contextual learning, that is, a simulated environment that will provide an immersive learning programmed to train in real situations.

This program is designed around Problem-Based Learning, whereby the physician must try to solve the different professional practice situations that arise throughout the program. This will be done with the help of an innovative interactive video system developed by renowned experts in urological surgery, with extensive teaching experience.

*Include the latest developments in lower urinary tract surgery in your surgical practice and improve your patient's prognosis.*

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



02

# Objectives

The Postgraduate Diploma program is aimed at reviewing the main aspects of the current management of the patient undergoing urological surgery, based on scientific evidence and the experience of renowned professionals in the field of critical care.





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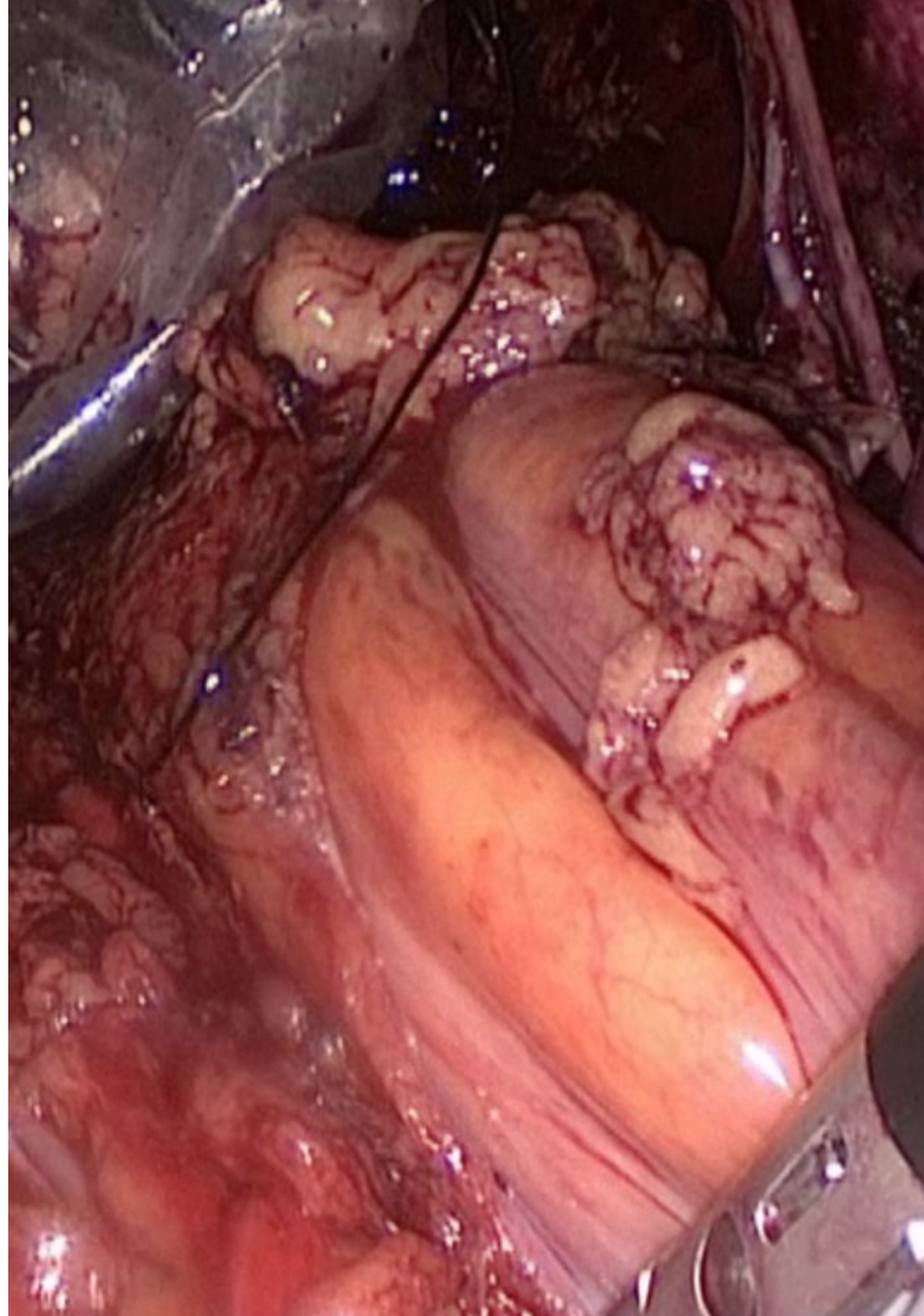
*This refresher program will generate a sense of security in the performance of surgical practice, which will help you grow personally and professionally”*



## General Objectives

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- Implement the main changes in urological anatomy surgical treatments
- Differentiate adrenal pathologies and correctly implement the different surgical techniques
- Recognize and distinguish the most common renal surgical pathologies to be able to implement the appropriate treatment
- Classify the upper urinary tract diseases to be able to implement the correct surgical treatment
- Recognize and distinguish the bladder diseases to apply the correct treatment
- Compare and contrast the surgical treatments in prostate diseases
- Interpret and justify the best treatment choice for a urethra surgical pathology
- Interpret and justify the best treatment choice for a scrotal and testicular surgical pathology
- Compare and contrast the different surgical treatments for urinary and pelvic floor incontinence
- Implement the latest innovations and developments in kidney transplant surgery
- Differentiate the various surgical techniques involved in renal vascular pathologies





## Specific Objectives

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

- ♦ Correct application of endoscopic, radiological and urodynamic explorations as well as the practice of prostatic biopsies
- ♦ Update on basic perioperative management and instrumentation, and drainage of the urinary tract, as well as the basics in urology, laparoscopy in all its variants and robotics
- ♦ Review the indications, surgical techniques and limitations of lymphadenectomy for tumors of any urologic location, as well as the novel role immunofluorescence techniques play in these procedures

### Module 2. Basic Aspects of Urologic Surgery

- ♦ Identify the indications, contraindications and access routes of renal diseases
- ♦ Explain the different nephrectomy techniques and methods of partial excision of tumors, as well as the details of laparoscopic or percutaneous focal treatment of renal masses
- ♦ Master the basic principles of laparoscopy, mini-laparoscopy and 3D imaging
- ♦ Delve into the development of single-port laparoscopic surgery

### Module 3. Latest Advances in Diagnosis and Treatment Techniques in Urology

- ♦ Recognize the importance of the laparoscopic living donor nephrectomy procedure and hand-assisted nephrectomy
- ♦ Distinguish the different endoscopic techniques in urological surgery
- ♦ Explain the appropriate cases to use intravesical instillation drugs and which ones
- ♦ Interpret ecographic images as a diagnosis method in urology

### Module 4. Latest Trends in Bladder Surgical Pathology

- ♦ Examine the distinct treatment methods of tumorous and non-tumorous pathology of the bladder, both endoscopically, laparoscopically or robotically, as well as with open surgery in cases of urinary diversions or malformations
- ♦ Distinguish the different techniques used in transurethral resection for bladder tumor pathology
- ♦ Recognize and classify non-tumorous bladder pathology



*Update your knowledge through the Postgraduate Diploma in Lower Urinary Tract Surgery"*

03

# Course Management

This program includes reference urologists in its teaching staff, who bring their work experience to this training. Additionally, other recognized specialists participate in its design and preparation, which means that the program is developed in an interdisciplinary manner.



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*Learn about the latest advances in the approach to lower tract surgery from leading professionals”*

## International Guest Director

Dr. Andrew Jason Cohen is a world-renowned physician in the field of Urology. He is a clinical expert with more than a decade of practical experience in complex genitourinary reconstruction, demonstrating comprehensive management of erectile dysfunction, urinary incontinence, stricture diseases of the urinary system, Peyronie's disease, genital skin conditions, urinary detour and other benign urological pathologies. In addition, **he has been a reference in the field of Robotic Surgery** through the detailed study and application of the multiple techniques that are currently known.

He has managed to shape himself as such thanks to an extensive academic career of the highest level, which includes **two degrees with summa cum laude honors** (in Chemical Engineering and Medicine), as well as a PhD in the latter scientific branch. In addition, his excellence earned him a **Clinical Fellowship in Trauma and Reconstructive Surgery at the University of California, San Francisco School of Medicine**. On the other hand, his prestige has also been recognized by the Alpha Omega Alpha Honor Society, which has included him as a member.

In addition to all this, he has an extensive and multidisciplinary career in **international reference centers in the context of Urology**: specialist at Mitchell-Hyde Park Hospital, director of Urological Trauma and Reconstructive Surgery at the Brady Urological Institute at Bayview Medical Center and as director of Traumatology and Urological Reconstructive Surgery at the very important **Johns Hopkins Medicine**. In addition, he has authored dozens of research articles indexed in major scientific journals, activity that has combined, in turn, with teaching in several subjects of the Degree in Medicine and Surgery.



## Dr. Cohen, Andrew Jason

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- Director of Urological Trauma and Reconstructive Surgery at the Brady Urological Institute at Bayview Medical Centerd
- Assistant Professor of Urology
- Ph.D. in Medicine from the University of Chicago Pritzker School of Medicine
- B.S. in Chemistry and Chemical Engineering from the University of Florida (summa cum laude honors)
- M.D., University of Florida (summa cum laude honors)
- Urology Residency at Mitchell-Hyde Park Hospital, University of Chicago Medicine
- Clinical Fellowship in Trauma and Reconstructive Surgery at the University of California, San Francisco School of Medicine
- Member of Alpha Omega Alpha Honor Society
- Author of more than a dozen scientific articles indexed in PubMed

“

*You will have access to a library of multimedia resources 7 days a week, 24 hours a day”*

**Dr. Prieto Chaparro, Luis**

- ◆ Specialist in Urology at the Elche General University Hospital
- ◆ Emergency Department, Príncipe de Asturias University Hospital, Alcalá de Henares
- ◆ Specialist Physician at the Virgen de los Lirios Hospital
- ◆ Faculty Specialist at the University Hospital of San Juan
- ◆ Doctor "Cum Laude" from the Complutense University of Madrid
- ◆ Permanent Board of Directors Treasurer elected position of the AEU
- ◆ Treasurer of SINUG, Iberoamerican Society of Neurourology and Urogynecology
- ◆ Member of the Board of Directors of Spanish Association of Urology
- ◆ Elected National Coordinator of the Female Functional Urology and Urodynamics Group
- ◆ Member of the Valencian and Murcian Association of Urology

**Dr. Moreno Sierra, Jesús**

- ◆ Head of Urological Robotic Surgery at San Carlos Clinical Hospital
- ◆ President and Honorary Member of the Spanish Society of Laparoscopic and Robotic Surgery
- ◆ Researcher of the Foundations San Carlos Clinical Hospital
- ◆ Project evaluator in national agencies
- ◆ Editor of the Urology section of the SECLA Endosurgery journal
- ◆ PhD in Medicine from the Complutense University of Madrid
- ◆ Specialization studies at the Karolinska Institute in Stockholm, the European Telesurgery Institute in Strasbourg and the Alst Hospital in Brussels
- ◆ Postgraduate Diploma in Clinical Units by UNED Member of:  
Board of Directors of the Spanish Association of Urology, Board of Directors of the Urological Society of Madrid, Editorial Committee of the Archivos Magazine





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- ◆ Co-Director of Urosalud, Urology Unit of the Hospital Casa de Salud of Valencia
- ◆ Private activity at the Glorieta Clinic
- ◆ Assistant urologist at the IVO Foundation, subspecialized in Laparoscopic and Minimally Invasive Surgery
- ◆ Monitor and teacher of various courses and programs of Laparoscopic Surgery with Live Surgeries at national and international meetings
- ◆ Doctor "Cum Laude" from the University of Valencia
- ◆ Degree in Medicine from the University of Navarra
- ◆ Specialist in Urology La Fe University Hospital, Valencia
- ◆ Fellow in Laparoscopic Radical Prostatectomy at University Clinic Leipzig
- ◆ Master's Degree in Molecular Oncology at CNIO and CEB
- ◆ Member of the Editorial Committee of the scientific journal Spanish Archives of Urology"
- ◆ Member of the team of reviewers of the "International Journal of Urology" and "World Journal of Urology"
- ◆ Member of the Valencian , Spanish and Murcian Association of Urology
- ◆ Member of the International Association of Endourology and Laparoscopy

**Dr. Fernández Arjona, Manuel**

- ◆ Chief of the Urology Service of the HU of Henares
- ◆ Urologist at Fuensanta Hospital
- ◆ Urologist collaborating with the Institute of Sexual Medicine
- ◆ Author of more than 100 published in journals
- ◆ Teacher in postgraduate studies in Medicine
- ◆ PhD in Medicine and Surgery from the Autonomous University of Madrid
- ◆ Master's Degree in Hospital Management

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- ♦ Postgraduate Diploma in:Uro-oncology and Renal Transplantation
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- ♦ Master's Degree in Medical and Clinical Management UNED
- ♦ Stay at Jackson Memorial Hospital. University of Miami. Endourology and Urologic Oncology
- ♦ Stay at Mayo Clinic Jacksonville. Urological Oncology
- ♦ Stay at Erasme Hospital in Brussels. Urological Laparoscopy
- ♦ Member of the Spanish Association of Urology
- ♦ Member of the Galician Society of Urology

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- ♦ Director of the Urology Clinical Management Unit
- ♦ Head of Service and Director of the Urology Clinical Management Unit.. Puerta del Mar University Hospital, Cadiz
- ♦ Urology Associate Professor at Puerta del Mar University Hospital
- ♦ Principal investigator in several phase II, III and IV clinical trials
- ♦ Former National Coordinator of Endourology. Laparoscopy and Urological Robotics of the Spanish Association of Urology
- ♦ Author of multiple publications in specialized journals
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- ♦ Degree in Medicine from the Complutense University of Madrid
- ♦ University Master's Degree in Prostate Cancer at the University of Salamanca
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- ♦ Member of the Spanish Association of Urology

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- ♦ Utility of PSA-Complex in the diagnosis of prostate carcinoma. Spanish Urology Archives

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- ♦ Author of scientific publications and essays and editor of the book *Perspectivas históricas, presente y futuro de laparoscópica Urológica cirugía*



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- ♦ Principal investigator and collaborator in several clinical trials
- ♦ Author and co-author of several chapters in books related to Urology
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- ♦ Teacher in university studies of Medicine and in training courses for doctors

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- ♦ Director of the Renal Transplantation Office of the American Confederation of Urology
- ♦ President of the Transplant Section of the Spanish Urology Association
- ♦ Leader of the Urological Tumors and Genetics Research Group at the August Pi i Sunyer Biomedical Research Institute (IDIBAPS)
- ♦ Author of more than 100 international and national publications
- ♦ International speaker at many prestigious scientific meetings
- ♦ Member of the Royal Academy of Medicine of Catalonia
- ♦ Professor of Urology in the Department of Surgery at the University of Barcelona
- ♦ Member of the American Confederation of Urology, Spanish Association of Urology, Board of the European School of Urology, Scientific Committee of the European Association of Urology

#### **Dr. López Celada, Susana**

- ♦ Specialist in Radiodiagnostics, San Juan Clinical University Hospital
- ♦ Radiology and Magnetic Resonance Specialist in Inscanner (HCB)
- ♦ Specialist in Radiology at the International Hospitals Medimar, Vinalopó, Torreveja and General Universitario de Alicante
- ♦ Radiologist in Inscanner, S.L
- ♦ Degree in Medicine and Surgery from the University of Miguel Hernández de Elche
- ♦ Degree in Medicine and Surgery from the Complutense University of Madrid

**Dr. González Cabezas, Pedro**

- ♦ Head of the Nuclear Medicine Department, Vinalopó University Hospital
- ♦ Specialist in Nuclear Medicine at Quirónsalud Torrevieja Hospital
- ♦ Degree in Medicine from the University of Valencia
- ♦ Specialist in Nuclear Medicine at La Fe University Hospital
- ♦ Master's Degree in Healthcare Management, Catholic University of Valencia

**Dr. Álvarez Rodríguez, Sara**

- ♦ Specialist in Urology and Oncology
- ♦ Attending Physician of Urology . Ramón y Cajal University Hospital Madrid
- ♦ Resident Intern. Urology. Ramón y Cajal University Hospital
- ♦ Doctor of Medicine. Valladolid
- ♦ Degree in Medicine. Valladolid
- ♦ Master's Degree in Molecular Oncology. National Cancer Research Center
- ♦ Specialization Diploma in Urological Ultrasound. University of Zaragoza
- ♦ Certification of the Uro-Oncology Observatory
- ♦ University Health Network
- ♦ Member of the European Board of Urology

**Dr. Collado Serra, Argimiro**

- ♦ Specialist in Urology
- ♦ Director of the Urology Unir, in Functional Foundation IVO, Madrid
- ♦ Author of dozens of scientific articles published in specialized journals
- ♦ Member of the Editorial Board of Spanish Archives of Urology

**Dr. Pérez Fentes, Daniel Adolfo**

- ♦ Head of the Endourology and Lithiasis Unit of the Urology Service of the University Hospital Complex of Santiago de Compostela
- ♦ Founder and director of Medical Urogalia
- ♦ Urology specialist at RosaledaHM
- ♦ Researcher in national and international research groups, and in competitive projects of the ISCIII and the European Union
- ♦ Training instructor in endourology and endourological surgery
- ♦ Author of numerous book chapters and articles in national and international medical journals
- ♦ Speaker in more than 100 courses and congresses worldwide
- ♦ PhD in Medicine and Surgery from the University of Santiago de Compostela
- ♦ Degree in Medicine and Surgery from the University of Santiago de Compostela
- ♦ Member of the Royal Academy of Medicine and Surgery of Galicia

**Dr. Cansino Alcaide, Ramón**

- ♦ Head of Section of Endourology and Lithiasis at Hospital Universitario La Paz
- ♦ Doctor Specialist in Urology at La Paz University Hospital
- ♦ Urologist at the University Hospital Vithas Madrid La Milagrosa
- ♦ Lecturer in Urology training courses and postgraduate studies
- ♦ Regular speaker at European and Spanish Urological Association Congresses
- ♦ Member of the International Urolithiasis Alliance
- ♦ PhD in Medicine and Surgery from the Autonomous University of Madrid

**Dr. Subirá Ríos, David**

- ♦ Head of the Robotic and Laparoscopic Unit. Gregorio Marañón University Hospital
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- ♦ Physician at the service of Laparoscopy, renal transplantation. Gregorio Marañón University Hospital
- ♦ Degree in Medicine and Surgery. Navarra University
- ♦ Specialist in Urology Gregorio Marañón University Hospital
- ♦ Attending Physician Complutense University of Madrid

**Cózar Olmo, José Manuel**

- ♦ Urology specialist with expertise in Prostate Cancer
- ♦ Chief of the Urology Department of the Virgen de las Nieves Hospital
- ♦ Urologist at the Virgen de las Nieves University Hospital
- ♦ Author of hundreds of articles published in scientific journals
- ♦ President of the Spanish Association of Urology
- ♦ Teacher in university studies related to Medicine

**Dr. Díez Nicolás, Víctor**

- ♦ Urology FEA in the Renal Surgery and Transplant Unit of the Ramón y Cajal Hospital
- ♦ Specialist Urology Physician at Hospital Quirónsalud Madrid
- ♦ Clinical Teacher in university studies
- ♦ Author and coauthor of 9 book chapters
- ♦ Author and co-author of 18 publications
- ♦ Speaker at more than 80 Urology Congresses at national and international level
- ♦ Accreditation of Robotic Surgery with Da Vinci - Intuitive system





**Dr. Peri Cusi, Lluís**

- ♦ Head of Functional and Reconstructive Urology Section, Hospital Clínic de Barcelona
- ♦ Coordinator of the Functional and Reconstructive Urology Section of the Catalan Society of Urology
- ♦ Researcher in the project "Clinical Validation of the Surgical Robot"
- ♦ Author of several national and international books and book chapters
- ♦ Co-author of the development of the micturition diary as a mobile application eDM3D
- ♦ Doctor of Medicine from the University of Barcelona
- ♦ Degree in Medicine from the University of Barcelona
- ♦ Member of Sociedad Iberoamericana de Neurología y Uro Ginecología (SINUG), EAU Section of Transplantation, Grupo de Trabajo de Trasplante Renal y Urología, Femenina, Funcional y Urodinámica de la Sociedad Española de Urología, Sociedad Catalana de Urología, Sociedad Europea de Urología, European Society of Urology

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- ♦ Urologist at Quirón San Camilo Hospital
- ♦ Urology at La Princesa University Hospital
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- ♦ Urologist at Juaneda Clinic
- ♦ Urologist at Fertility Center
- ♦ Urologist at Inca
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- ♦ Doctor in Health Sciences, University of Balearic Islands
- ♦ Postgraduate Certificate in Laparoscopic Urological Surgery from the University of Strasbourg
- ♦ Winner Urology Service Foundation Hospital de Manacor to the best Patient Service

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- ♦ Specialist in Urology at HM Sanchinarro Hospital
- ♦ Urology Specialist in the Hospitalization Unit and Cardio-Diabetes Unit at the Ramón y Cajal University Hospital
- ♦ Doctor of Medicine and Surgery from the University of Alcalá
- ♦ Degree in Medicine from the University of Oviedo
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- ♦ Urology specialist at RosaledaHM
- ♦ Researcher in national and international research groups, and in competitive projects of the ISCIII and the European Union
- ♦ Training instructor in endourology and endourological surgery
- ♦ Author of numerous book chapters and articles in national and international medical journals
- ♦ Speaker in more than 100 courses and congresses worldwide
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- ♦ Teacher in university studies of Medicine
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- ♦ Master's Degree in Research Methodology from the Autonomous University of Barcelona

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- Secretary General of the Hellenic Genito-Urinary Cancer Group
- Secretary General of U-Merge (Urology in Emerging Countries)
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- ◆ Lecturer and researcher at international universities
- ◆ Participation in 3 books and more than 30 scientific publications
- ◆ Speaker in more than 20 national and international congresses
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- ◆ Member of the jury of the Pérez Castro Awards of the journal Archivos Españoles de Urología
- ◆ Associate Professor of the Faculty of Medicine UAB-UPF (Campus Mar)
- ◆ Doctor Cum Laude in Medicine and Surgery by the UAB with excellent qualification
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- ♦ Master's Degree in- Urology and Urodynamics from the University of Valencia
- ♦ Master's Degree in Medical Management and Clinical Management by the Carlos III Health Institute
- ♦ Practical Stay in the Interventional and Minimally Invasive Prostate Urology Service at the University College of London Hospital

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- ♦ Specialist in Child Urology. University of Valencia
- ♦ Fellow of the European Academy of Child Urology of Hospital La Salud
- ♦ Member of the Editorial Committee of the Spanish Urological Journals
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- ♦ Degree in Medicine from the University of Miguel Hernández de Elche

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- ♦ Member of AEU, SUM, EAU

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- ♦ Expert researcher in Urology
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- ♦ Diploma in Research Capacity by the Department of Medicine and Surgery of the Faculty of Medicine of the University of Cantabria
- ♦ FEBU Diploma
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- ♦ Best Urological Communication presented at the X National Congress of the Spanish Society of Laparoscopic Surgery

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- ♦ European Association of Urology
- ♦ SEGO, Spanish Society of Gynecology and Obstetrics
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- ♦ Urology Specialist, Vinalopó University Hospital
- ♦ Doctorate in Biomedicine and Health Sciences, European University
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# 04

## Structure and Content

The contents structure has been designed by a team of specialists knowledgeable about the implications of training in surgical practice in urology, aware of the relevance of the current relevance of training to be able to act in front of the patient and committed to quality teaching through new educational technologies.



“

*This Postgraduate Diploma in Lower Urinary Tract Surgery includes the most complete and up-to-date scientific program on the market”*

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

- 1.1. Upper Surgical Anatomy
- 1.2. Anatomy of Retroperitoneal Compartments
- 1.3. Lower Surgical Anatomy
- 1.4. Surgical Anatomy of the Pelvic Floor

### Module 2. Basic Aspects of Urologic Surgery

- 2.1. Basic Perioperative Aspects
- 2.2. Instrumentation and Drainage of the Urinary Tract
- 2.3. Basic Principles of Endourology
- 2.4. Basic Principles in a Laparoscopy, Minilaparoscopy and 3D
- 2.5. Basic Principles in Robot Assisted Laparoscopic Surgery
- 2.6. Basic Principles in Single-Port Laparoscopic Surgery / NOTES

### Module 3. Latest Advances in Diagnosis and Treatment Techniques in Urology

- 3.1. Intravesical Instillation of Drugs
- 3.2. Penile Ultrasound / Penile Doppler
- 3.3. Testicular Ultrasound / Testicular Doppler
- 3.4. Prostate Ultrasound
- 3.5. Pyelography
- 3.6. Flexible Cystoscopy
- 3.7. Adult Urodynamic Study
- 3.8. Pediatric Urodynamic Study
- 3.9. Prostate Biopsy
- 3.10. Multiparametric MRI
- 3.11. Bone Scanning
- 3.12. PET-CAT
- 3.13. Isotopic Renogram





#### Module 4. Latest Trends in Bladder Surgical Pathology

- 4.1. Randomized bladder biopsy. Bladder TUR Bloc TUR Laser
- 4.2. Hexvix/SPIES/NBI-Assisted Bladder TUR
- 4.3. Laparoscopic Partial and Radical Cystectomy in Males with Urethrectomy: Open bypass
- 4.4. Laparoscopic / Robotic Cystectomy in Females: Laparoscopic Bypass
- 4.5. Lymphadenectomy in Bladder Cancer
- 4.6. Open and Endoscopic Cystostomy / Cystolithotomy
- 4.7. Vesicoureteral Reflux Surgery
- 4.8. Bladder Diverticulum Surgery

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*A unique, key, and decisive educational experience to boost your professional development”*

05

# Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning**.

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.



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*Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"*

## At TECH we use the Case Method

What should a professional do in a given situation? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

*With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.*



According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the physician's professional practice.

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*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method”*

The effectiveness of the method is justified by four fundamental achievements:

1. Students who follow this method not only achieve the assimilation of concepts, but also a development of their mental capacity, through exercises that evaluate real situations and the application of knowledge.
2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.
3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.
4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.



## Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

*Professionals will learn through real cases and by resolving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.*



At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology, more than 250,000 physicians have been trained with unprecedented success in all clinical specialties regardless of surgical load. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

*Relearning will allow you to learn with less effort and better performance, involving you more in your specialization, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation to success.*

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.



This program offers the best educational material, prepared with professionals in mind:



#### Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.



#### Surgical Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances and to the forefront of current medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.



#### Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

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



#### Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.







#### Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.



#### Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.



#### Classes

There is scientific evidence on the usefulness of learning by observing experts. The system known as Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.



#### Quick Action Guides

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



# 06 Certificate

The Postgraduate Diploma in Lower Urinary Tract Surgery guarantees students, in addition to the most rigorous and up-to-date education, access to a Postgraduate Diploma issued by TECH Technological University



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

This **Postgraduate Diploma in Lower Urinary Tract Surgery** contains the most complete and up-to-date scientific program on the market.

After the student has passed the assessments, they will receive their corresponding **Postgraduate Diploma** issued by **TECH Technological University** via tracked delivery\*.

The diploma issued by **TECH Technological University** will reflect the qualification obtained in the Postgraduate Diploma, and meets the requirements commonly demanded by labor exchanges, competitive examinations, and professional career evaluation committees.

Title: **Postgraduate Diploma in Lower Urinary Tract Surgery**

Official N° of Hours: **475 h.**



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



## Postgraduate Diploma Lower Urinary Tract Surgery

- » Modality: online
- » Duration: 6 months
- » Certificate: TECH Technological University
- » Dedication: 16h/week
- » Schedule: at your own pace
- » Exams: online

# Postgraduate Diploma Lower Urinary Tract Surgery

