



Glickman Urological & Kidney Institute
Urology Fellowship Programs



Dear Colleagues,

Thank you for your interest in the Cleveland Clinic Glickman Urological & Kidney Institute's urology fellowship training programs. This brochure provides an overview of our programs as well as information about living in the Cleveland area.

We offer a variety of fellowship opportunities in the following subspecialties, each integrating research and clinical training:

- Advanced Robotics and Laparoscopy
- Stone Disease and Advanced Endourology
- Female Pelvic Medicine and Reconstructive Surgery
- Kidney/Pancreas Transplant
- Male Genitourinary Reconstruction and Prosthetics
- Male Infertility/Microsurgery/Andrology
- Urologic Oncology

Our fellowship training programs offer a variety of challenging clinical experiences as well as numerous opportunities for basic, translational, clinical and outcomes research, and clinical research. The institute's collegial atmosphere and ample support staff enable fellows to balance clinical and investigative training with family and personal interests outside the hospital.

Urology is a rapidly advancing specialty, and the Glickman Urological & Kidney Institute is at the forefront of progress, with strong programs in all of the subspecialty areas. We believe that our fellowship programs are among the best and that they enable our graduates to take their place among tomorrow's leaders in clinical and investigative urology.



Eric A. Klein, MD
Chair, Glickman Urological & Kidney Institute



Edmund Sabanegh Jr., MD
Chair, Department of Urology
Vice Chair, Glickman Urological & Kidney Institute



A National Referral Center, An International Health Resource

Founded in 1921, Cleveland Clinic is a nonprofit, multispecialty medical center that integrates clinical and hospital care with research and education. Today, more than 3,200 physicians and scientists practice in more than 130 medical specialties and subspecialties, annually recording 5.4 million patient visits and almost 90,000 surgeries.

Cleveland Clinic's main campus, with 55 buildings on 180 acres in Cleveland, Ohio, includes a 1,300-bed hospital, outpatient clinic, specialty institutes, and supporting labs and facilities. Cleveland Clinic also operates 18 family health centers, eight community hospitals, one affiliate hospital, a rehabilitation hospital for children, Cleveland Clinic Florida, Cleveland Clinic Lou Ruvo Center for Brain Health in Las Vegas, Cleveland Clinic Canada, and Sheikh Khalifa Medical City Cleveland Clinic Abu Dhabi (United Arab Emirates), a multispecialty hospital and clinic that opened its doors to patients in 2015.

The Lerner Research Institute is home to all laboratory-based translational and clinical biomedical research at Cleveland Clinic. Within 700,000 square feet of research space, more than 1,200 scientists and support personnel collaborate with clinical researchers to understand disease and find new treatments and cures. It is one of the leading NIH-funded research institutes in the nation.

The Cleveland Clinic Lerner College of Medicine of Case Western Reserve University (CWRU) is an all-scholarship program with a focus on physician research and independent study. Cleveland Clinic is constructing a new Health Education Campus that will be home to the Lerner College of Medicine, along with CWRU's medical, dental and nursing schools.

Cleveland Clinic and two of its regional hospitals have earned the highest designation of nursing excellence from the American Nurses Credentialing Center (ANCC). Hospitals awarded this status from the ANCC are recognized as meeting the highest standard of nursing care.

Clinical services at Cleveland Clinic are delivered through institutes, which are patient-centered integrated practice units. An institute combines the medical and surgical specialties involved in the treatment of a specific organ system or disease under a single leadership structure (e.g., Urological & Kidney Institute, Heart & Vascular Institute, Cancer Institute). Specialists collaborate with each other in and out of each institute to give every patient the best outcome and experience.

Cleveland Clinic has been ranked among the nation's best hospital every year since 1990 in the annual U.S. News & World Report "America's Best Hospitals" survey. Cleveland Clinic's urology program is ranked No.1 in the nation, our nephrology program is ranked No. 2, and our heart program has been No. 1 since 1995. Cleveland Clinic is regularly listed among "The World's Most Ethical Companies" by the Ethisphere Institute.

The Cleveland Clinic Glickman Urological & Kidney Institute



Cleveland Clinic's Glickman Urological & Kidney Institute

The Cleveland Clinic Glickman Urological & Kidney Institute urology program has a professional staff of 52 physicians and scientists representing all urologic subspecialties, one of the largest full-time urology faculties in the United States.

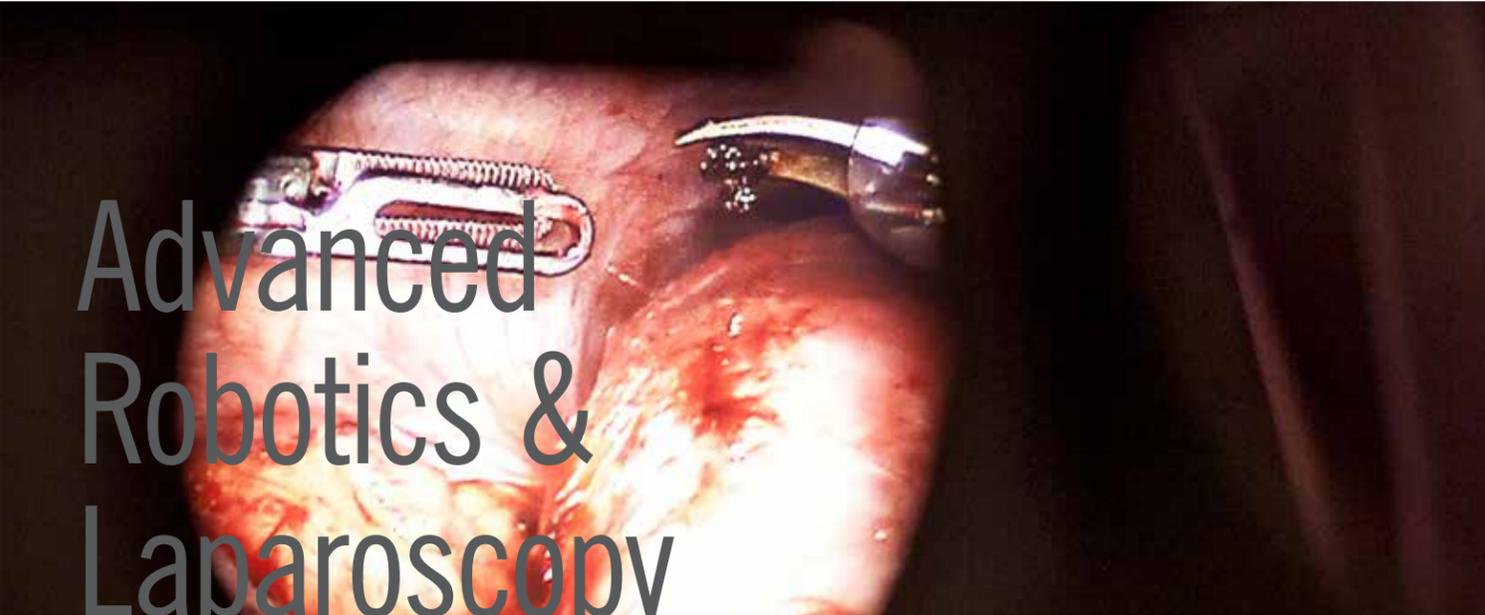
Our fellows participate in many aspects of patient care, from managing a personal outpatient clinic to performing inpatient and outpatient surgery, and conducting postoperative care. Fellows often have on-call duties as well.

In the fall of 2008, the Glickman Urological & Kidney Institute moved into the newly built Glickman Tower. At 12 stories, the tower is the tallest building on Cleveland Clinic's main campus. Its 200,000 square feet contain 77 phy-

sician offices, 16 technologically sophisticated procedure rooms, 4 outpatient procedure rooms and 74 exam rooms. An auditorium is fully equipped with technology for telemedicine and videoconferencing.

The 21-bed dialysis unit is designed with floor-to-ceiling windows offering scenic views of the outdoors. The tower also features a chapel and meditation room. A four-story grand hall features artwork, a café and an educational health resource center for patients.





Advanced Robotics & Laparoscopy

Advanced Robotics and Laparoscopy Fellowship

This two-year intensive fellowship provides unparalleled exposure to all clinical and investigational aspects of urologic robotics and laparoscopy. The fellowship involves one year of high volume clinical training (approximately 800 robotic urologic procedures) and one year of research (10 to 20 peer reviewed publications, lab research and clinical outcomes).

Clinical training in the area of urologic oncology includes:

- Prostate cancer: Radical and simple robotic prostatectomy
- Renal cancer: Robotic partial nephrectomy, cryoablation and laparoscopic nephrectomy
- Bladder cancer: Radical cystoprostatectomy and partial cystectomy, including intracorporeal urinary diversion
- Adrenal surgery: Robotic and laparoscopic total or partial adrenalectomy

Thorough experience in reconstructive urological surgery includes:

- UPJ obstruction: Pyeloplasty
- Ureteral reconstruction: Ureteroneocystostomy, psoas hitch, Boari flap, ureteroureterostomy, ileal interposition

Participation in groundbreaking, advanced surgery includes:

- Laparoendoscopic single-site robotic surgery (LESS)
- NOTES procedures
- Use of novel technologies and advanced instrumentation

Historically, the Glickman Urological & Kidney Institute's Center for Robotics and Image-Guided Surgery has been at the forefront of many major advances in the field. Research activities include various outcomes-based and laboratory-based studies as well as opportunities to author invited peer-reviewed articles and book chapters. Candidates will work alongside research fellows for an invaluable opportunity to develop wide-reaching academic relationships. The center also hosts multiple international meetings in which the fellow will have the opportunity to help organize and participate.

Regularly performed procedures

All types of laparoscopic and robotic urological surgery, including Laparo-Endoscopic Single Site Surgery (LESS)

Fellowship faculty

Jihad H. Kaouk, MD
Jeff Chueh, MD, PhD
Khalid Fareed, MD
Georges-Pascal Haber, MD
Robert J. Stein, MD

How to apply

Interested applicants should apply in their senior resident year (one year prior to graduation) through the Endourology Society at endourology.org/fellowship/fellowship.php.

Contact:

Jihad H. Kaouk, MD
Fellowship Program Director, Advanced Urologic Laparoscopy

Cleveland Clinic
Glickman Urological & Kidney Institute
9500 Euclid Avenue, Q10
Cleveland, OH 44195 USA

216.444.2976 | kaoukj@ccf.org



Stone Disease & Advanced Endourology Fellowship

This one or two-year fellowship in the Stevan B. Strem Center for Endourology & Stone Disease, provides investigational and clinical training in stone disease and ureteral reconstruction. The fellow will obtain proficiency in percutaneous access and percutaneous stone management, endoscopic techniques, shock wave lithotripsy, and robotic/laparoscopic/LESS approaches for ureteral reconstruction. Training in medical stone management will include metabolic evaluation and appropriate preventative strategies. The multidisciplinary clinic setting, including Urology, Nephrology and registered dietary counselors, ensures appropriate training in medical evaluation while providing an energetic forum for exchange of ideas and developing clinically appropriate investigative topics.

The fellow will develop advanced research skills and be encouraged to participate in various investigational studies. Protected time will be provided for projects including clinical trials, novel technology evaluation, bench research, and outcomes research. Basic knowledge will be enhanced with directed study during activities such as endourology journal club and case management conference. The graduating fellow will have a well-rounded clinical and research foundation to support a successful academic career goal.

Clinical teaching skills will also be developed. Appropriate time will be spent with the fellow in order to foster his/her own clinical skills after which the fellow will be expected to guide residents through procedures as the primary mentor.

The fellow will be appointed as an Assistant Clinical Staff in the Department of Urology and will manage a personal clinic of general urology patients. This weekly activity will help the fellow develop time management skills and help maintain sharp ambulatory skills.

Stone Disease & Advanced Endourology

The fellowship is approved by the Endourological Society and a certificate of completion will be awarded at the time of graduation.

Regularly performed procedures

Percutaneous nephrolithotomy

Ureterscopy

Shock wave lithotripsy

Robotic/laparoscopic/LESS ureteral reconstruction

Fellowship staff

Juan Calle-Cano, MD

Manoj Monga, MD

Mark J. Noble, MD

Sri Sivalingam, MD

Robert J. Stein, MD

How to apply

Interested applicants should apply in their senior resident year (one year prior to graduation) through the Endourology Society at endourology.org/fellowship/fellowship.php.

Contact:

Manoj Monga, MD

Director, Steven B. Strem Center for Endourology & Stone Disease

Cleveland Clinic
Glickman Urological & Kidney Institute
9500 Euclid Ave., Q10-1
Cleveland, OH 44195 USA

216.445.8678 | mongam@ccf.org

Female Pelvic Medicine and Reconstructive Surgery Fellowship

This two-year fellowship program in pelvic medicine and reconstructive surgery accepts urology residents who have graduated from an ACGME-accredited urology program. The program is jointly accredited by the American Board of Urology, American Board of Obstetrics and Gynecology, and Society for Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction.

Fellows are given intensive and broad-based clinical, surgical and research experiences with progressive autonomy. Fellows obtain in-depth experience in clinical and investigative work that enables them to pursue productive academic careers in pelvic medicine and reconstructive surgery, specializing in voiding dysfunction, neurourology, female and male pelvic floor reconstructive surgery, urodynamics, clinical epidemiology and basic science. Fellows also gain experience in writing scientific proposals, grants and manuscripts.

Clinical training

In the first year, fellows spend time on clinical rotations, participating in outpatient clinics and surgical procedures, and rotating with urogynecology, colorectal surgery and advanced laparoscopy faculty. Fellows also learn the fundamentals of research, selecting an area of research interest and a mentor and formulating research projects.

During the second year, fellows focus on their research on their thesis, formulated during their first year, while fine-tuning their surgical and diagnostic skills.

Surgical training

The program offers exposure to a wide spectrum of female and male surgical procedures. On average, fellows perform a total of 300 surgeries per year including:

- Female and male incontinence
- Female pelvic organ prolapse repair
- Transvaginal reconstructive surgery
- Open abdominal reconstructive surgery
- Laparoscopic and robotic pelvic reconstructive surgery
- Complex female urethral reconstruction

Didactic activities

In addition to attending courses in biostatistics and clinical epidemiology, fellows participate in the following didactic activities:

- Book club
- Journal club
- Basic science lectures
- Urodynamic conference
- Joint Center of FPM&RS meetings with Urogynecology and Colorectal Surgery, which includes journal club, case presentations and research studies

Research

A unique aspect of this fellowship is its emphasis on ensuring that all fellows receive solid training in clinical and basic science research. During their first year of training, fellows develop a portfolio of clinical and basic science research projects. During their second year, they focus on the research thesis formulated during their first year, while fine-tuning their surgical and diagnostic skills.

Fellows have the opportunity to work with scientists investigating urinary incontinence, lower urinary tract disorders, neurogenic bladder, neuromodulation, urothelial biology, and stem cell research using animal and animal knock-out models. Fellows also have the opportunity to work with outcomes researchers and economists.

Since 2002, the fellows have initiated and participated in more than 75 IRB-approved clinical and IACUC-approved laboratory studies.

Finally, as part of the fellowship training, fellows are mentored in designing and writing study protocols for clinical or laboratory research projects, authoring peer-reviewed and invited publications, and presenting abstracts at national and international scientific meetings.



Regularly performed procedures

Surgical Procedures

Injectable therapy for SUI
Neuromodulations
Midurethral slings
Transvaginal prolapse repairs
Abdominal prolapse repairs
Robotic prolapse repairs
Transvaginal urethrolysis
Urogenital fistula repairs
Urethral reconstructions
Urinary augmentations
Ureteral reimplants
Complex mesh repairs

Urodynamics

Single channel
Multi-channel
Neurodiagnostic studies

Fellowship faculty

Margot Damaser, PhD
Howard B. Goldman, MD
Courtenay K. Moore, MD
Raymond R. Rackley, MD
Sandip Vasavada, MD

How to apply

Interested applicants must electronically submit applications to the Electronic Residency Application Service (ERAS) developed by the Association of American Medical Colleges (AAMC). Information about the application and Match process can be found at:

clevelandclinic.org/education/gme

aamc.org/eras

erasfellowshipdocuments.org

Contact:

Courtenay K. Moore, MD

Fellowship Program Director, Female Pelvic Medicine and Reconstructive Surgery

Cleveland Clinic
Glickman Urological & Kidney Institute
9500 Euclid Avenue, Q10-1
Cleveland, OH 44195 USA

216.444.8043 moorec6@ccf.org

Female Pelvic Medicine
& Reconstructive Surgery

Kidney & Pancreas Transplant



Kidney/Pancreas Transplant Fellowship

The Kidney/Pancreas Transplant fellowship is accredited by the American Society of Transplant Surgeons (ASTS)-accredited training program. In this two-year program, urology and/or general surgery graduates receive training in all aspects of kidney and pancreas transplantation, and gain thorough understanding of transplant candidate evaluation. They are exposed to the care of kidney and pancreas transplant recipients throughout the perioperative period, and they also receive training in post-transplant management.

As this primarily is a surgical fellowship, fellows participate in all operative procedures related to kidney and pancreas transplantation; specifically, organ procurement, bench preparation, revascularization and implantation of the organ, and drainage of the urinary and gastrointestinal tract. Fellows also gain abundant experience in laparoscopic living donor nephrectomy as well as multiple organ procurement from deceased organ donors.

Fellows are an integral part of the inpatient Kidney/Pancreas Transplant service. Along with nephrology fellows, urology fellows work with a multidisciplinary clinic composed of surgeons, transplant nephrologists and transplant coordinators.

Regularly performed procedures

Kidney transplants
Laparoscopic donor nephrectomy
Multiple Organ Procurement
Pancreas transplants

Fellowship faculty

Surgical:

Stuart Flechner, MD
David Goldfarb, MD
Venkatesh Krishnamurthi, MD
Charles Modlin, MD
John Rabets, MD
Daniel Shoskes, MD
Alvin Wee, MD

Nephrology:

Richard Fatica, MD
Saul Nurko, MD
Emilio Poggio, MD
Brian Stephany, MD

How to apply

Application and acceptance to the Cleveland Clinic Kidney/Pancreas Transplant fellowship program occurs through the American Society of Transplant Surgeons (ASTS) and the National Residency Matching Program (NRMP). Prospective applicants should contact the program directly approximately 18 to 24 months prior to starting the fellowship. They should anticipate attending an interview and, as per the NRMP, complete their rank order lists by May. Match results are known by June of the year prior to start of training.

Contact:

Venkatesh Krishnamurthi, MD

Fellowship Program Director,
Kidney/Pancreas Transplant Program

Cleveland Clinic
Glickman Urological & Kidney Institute
9500 Euclid Avenue, Q10
Cleveland, OH 44195 USA

216.444.0393 | krishnv@ccf.org

Male Genitourinary Reconstruction and Prosthetic Surgery Fellowship

This one-year clinical fellowship is part of the educational mission of the institute administered through the Center for Genitourinary Reconstruction. The fellow will develop a thorough understanding of the evaluation and management of a broad spectrum of disorders primarily involving the male lower urinary tract and genitalia requiring reconstructive surgery, and a keen interest in contributing to the specialty through clinical research.

Clinical experience is gained through a high-volume practice of genitourinary prosthetic surgery for erectile dysfunction and incontinence, urethroplasty and procedures for Peyronie's disease. The fellow will also become familiar with surgical treatment of a number of less common conditions of the genitalia and perineum, including rectourethral fistula, genital lymphedema, lichen sclerosis, and penile and urethral cancer. Major abdominal cases performed include bladder neck reconstruction for refractory stricture, bladder augmentation and catheterizable stoma for neuropathic or congenital bladder anomalies, cystectomy with urinary diversion for devastating injury of the bladder or urethra, and ureteral reimplantation or reconstruction. We also have a special interest in transitional urology, providing comprehensive care for patients who have persistent problems in adolescence or adulthood related to congenital urological disorders.

The fellowship position entails approximately one or two days per week in clinic with center staff, one-half day of the fellow's own clinic, and three days per week in the operating room. The fellow also is expected to participate in all weekly urology departmental conferences and to select articles for and attend monthly journal club. He/she will also help plan and execute subspecialty-specific symposia.

Most commonly performed procedures

Urethral reconstruction
Prosthetic surgery (AUS, IPP, urethral sling)
Tunical plication and graft procedures for Peyronie's disease and congenital erectile curvature
Bladder augmentation with catheterizable stoma
Urinary diversion
Bladder neck reconstruction
Penile and scrotal reconstruction

Fellowship faculty

Kenneth W. Angermeier, MD
Drogo K. Montague, MD
Hadley M. Wood, MD

How to apply

We participate in the AUA match for fellowships in genitourinary reconstructive surgery. Information is available on the Society of Genitourinary Reconstructive Surgeons website at societygurs.org.

Applicants should send a copy of their AUA Match application, CV and two to three letters of recommendation to the contact below by the deadline indicated on the GURS website.

Contact:

Kenneth W. Angermeier, MD

Fellowship Program Director, Male Genitourinary Reconstruction and Prosthetic Surgery

Cleveland Clinic
Glickman Urological & Kidney Institute
9500 Euclid Ave., Q10
Cleveland, OH 44195 USA

216.444.0415 | angermk@ccf.org

Male Infertility/Microsurgery/Andrology Fellowship

Cleveland Clinic is one of the first institutions in the United States to offer a clinical fellowship in Male Infertility. We have been training clinical and research fellows in this program for more than 20 years. More than 60 percent of our graduates have gone on to academic positions.

This one-year program (minimum) focuses on the development of clinical excellence in all aspects of male fertility management and basic science techniques in andrology. The clinical fellow will spend the majority of his/her time in the clinic and in the operating room, evaluating and managing patients with infertility problems. There is an opportunity for a second-year or research fellowship for interested candidates.

At the start of the fellowship, the fellow completes a comprehensive microsurgery course given by the Department of Plastic Surgery. In addition, he/she has rotations on the reproductive endocrinology and erectile dysfunction services at Cleveland Clinic. The fellow has opportunities to conduct clinical and basic science research and it is expected that research should result in at least two major publications. The fellow also attends the annual meetings of the American Urological Association and the American Society of Reproductive Medicine.

The fellow completing the program should have the expertise needed to investigate and treat all aspects of male infertility; a current understanding of the state of the art; and should be able to critically appraise research and literature related to this urologic surgery subspecialty.

In addition to infertility management, the fellowship will include weekly experiences in a variety of men's health evaluations and procedures to include medical and surgical management of erectile dysfunction, Peyronie's disease, prostatitis syndromes, hypogonadism, and orchialgia.

Cleveland Clinic's Andrology Center

Our new, state-of-the-art Andrology Center offers evaluation, preservation and other services for male fertility. The facility boasts the largest lab of its kind in the Midwest and one of the largest in the country, serving more than 2,400 patients each year.

The center's full spectrum of fertility tests and services includes semen analysis, sperm processing for intrauterine insemination and immunologic testing. Advanced semen-testing options offered include measurement of reactive oxygen species, antioxidant levels and sperm DNA damage. We also offer cryopreservation of male gametes (prior to cancer treatment), testicular tissue and epididymal aspirates.

Regularly performed procedures

Microsurgical reconstructions

- Vasovasostomy
- Vasoepididymostomy
- Crossover and inguinal reconstructions

Surgical sperm harvest techniques

- Micro-TESE
- Microsurgical sperm extraction
- Percutaneous epididymal sperm extraction

Microsurgical subinguinal varicocelectomy

Transurethral resection of ejaculatory ducts

Fellowship faculty

Ashok Agarwal, PhD

Nina Desai, PhD

Jeff Goldberg, MD

Karl Montague, MD

Edmund Sabanegh Jr., MD

Rakesh Sharma, PhD

Daniel Shoskes, MD

How to apply

Interested applicants should send a formal application form and curriculum vitae along with three letters of reference (preferably one from the residency program director) to:

Contact:

Edmund Sabanegh Jr., MD

Chairman, Department of Urology
Fellowship Program Director, Male Infertility/
Microsurgery/Andrology

216.445.4473 | sabanee@ccf.org

Cleveland Clinic
Glickman Urological & Kidney Institute
9500 Euclid Avenue, Q10
Cleveland, OH 44195 USA

Urologic Oncology Fellowship

This fellowship consists of one to two years of mentored research in basic or translational science or outcomes research and one year in clinical urologic oncology.

During the research portion of the fellowship, the fellow engages in a focused area of study in prostate, kidney or bladder cancer with an investigator in Cleveland Clinic's Lerner Research Institute or an outcomes researcher in the Department of Quantitative Health Sciences. Specific training in clinical trial design and biostatistics also is provided during the research portion of the fellowship.

The clinical portion of the fellowship will consist of rotations with the oncology and minimally invasive surgical staff. The clinical program is designed to provide fellows with a practical knowledge of the most up-to-date methods of diagnosing and treating urologic cancers. The responsibilities for clinical care are shared by the faculty, fellows, residents and physician assistants in the operating room, in the clinic and on the ward. The volume and nature of the clinical experience is such that the fellow has an opportunity to participate in the management of patients with all types and stages of urologic cancer. A strong emphasis on complex urological procedures and minimally invasive surgery is provided. To receive multidisciplinary oncology training, a rotation in medical oncology and radiation oncology also is provided.

Formal educational sessions include a weekly didactic lecture series that covers all areas of genitourinary oncology, multidisciplinary genitourinary oncology tumor board, monthly genitourinary oncology grand rounds and monthly oncology journal club.

This fellowship is recognized by the Society of Urologic Oncology (SUO) and fellows are eligible to apply for membership in the SUO upon completion of the fellowship program.

Regularly performed procedures

Kidney cancer

- Robotic, open and laparoscopic partial nephrectomy
- Robotic, open and laparoscopic radical nephrectomy
- Robotic, open and laparoscopic nephroureterectomy

Prostate cancer

- Open and robotic radical prostatectomy

Cryoablation

Brachytherapy

Bladder cancer

- Robotic and open radical cystectomy
- Continent and non-continent urinary diversion

Testicular cancer

- Primary and post-chemotherapy retroperitoneal lymph node dissection

Fellowship faculty

Urology

- Ryan Berglund, MD
- Steven Campbell, MD
- Amr Fergany, MD
- Michael Gong, MD
- Georges-Pascal Haber, MD, PhD
- J. Stephen Jones, MD
- Jihad Kaouk, MD
- Eric Klein, MD

Venkatesh Krishnamurthi, MD

Andrew Stephenson, MD

James Ulchaker, MD

Medical Oncology

- Jorge Garcia, MD
- Timothy Gilligan, MD
- Petros Grivas, MD
- Brian Rini, MD

Radiation Oncology

- Jay Ciezki, MD
- Kevin Stephans, MD
- Rahul Tendulkar, MD

Pathology

- Cristina Magi-Galluzzi, MD, PhD
- Jesse McKenney, MD
- Christopher Przybycin, MD

Lerner Research Institute

- Tatiana Byzova, PhD
- James Finke, PhD
- Warren Heston, PhD
- Robert Silverman, PhD
- Nima Sharifi, MD

Quantitative Health Sciences

Michael Kattan, PhD

How to apply

This program participates in the Society of Urologic Oncology MATCH Program. Please apply online at www.suonet.org.

Contact:

Andrew J. Stephenson, MD

Director, Center for Urologic Oncology
Fellowship Program Director, Urologic Oncology

216.445.1062 | stephea2@ccf.org

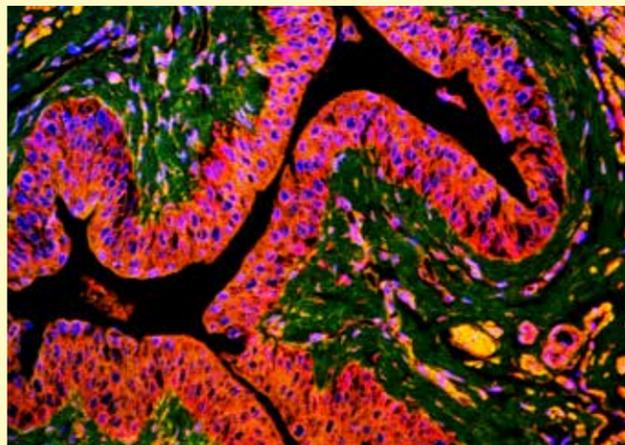
Cleveland Clinic
Glickman Urological & Kidney Institute
9500 Euclid Ave., Q10-1
Cleveland, OH 44195 USA

Research & Education

Research support

The Novick Center for Clinical and Translational Research supports the research efforts of all members of the Glickman Urological & Kidney Institute. Headed by Dan Shokkes, MD, and Sankar Navaneethan, MD, the center has a research manager, research nurses, study coordinators, database managers and IT support personnel. The center manages a number of clinical trials and 15 disease-specific databases that serve as a source for clinical projects and outcomes reporting.

Biostatistical support is provided through the Department of Quantitative Health Sciences, led by Michael Kattan, PhD, and center personnel frequently collaborate with scientists in Cleveland Clinic's Lerner Research Institute.



Collaborative learning

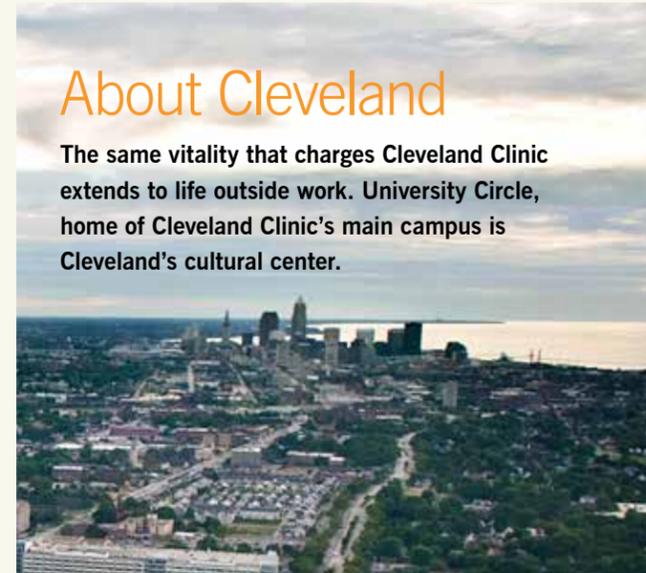
At the Glickman Urological & Kidney Institute, our fellows enjoy active collaboration with our residents in clinical, didactic and research endeavors. For example, fellows have the opportunity to work closely with residents on the wards, in clinic and in the operating rooms, which fosters the exchange of ideas and allows fellows to hone their developing skills as physician educators.

Fellows also have the opportunity to participate in weekly and monthly resident teaching conferences, including case presentations, morbidity and mortality conferences, journal club and various subspecialty clinical conferences.

Because the urology residency is among the few programs in the country to offer a dedicated year of research, there is ample opportunity for resident and fellow collaboration on clinical and basic science research projects, which in the past have resulted in publications and meeting presentations.

About Cleveland

The same vitality that charges Cleveland Clinic extends to life outside work. University Circle, home of Cleveland Clinic's main campus is Cleveland's cultural center.



It boasts one of the country's greatest concentrations of museums and cultural activities, including the Cleveland Museum of Art, Cleveland Orchestra, Museum of Contemporary Art and Cleveland Museum of Natural History.

Vibrant city life

Downtown Cleveland is within walking distance of these lively venues:

- Playhouse Square and The Cleveland Play House for theater and Broadway shows — the largest U.S. performing arts center outside of New York
- The Rock and Roll Hall of Fame and Museum
- The Great Lakes Science Center and Cleveland Clinic OMNI MAX Theater
- Quicken Loans Arena, home of the Cleveland Cavaliers
- First Energy Stadium, home of the Cleveland Browns
- Progressive Field, home of the Cleveland Indians
- Horseshoe Casino
- The Warehouse District, Gateway District/East Fourth Street and the Flats East Bank — live music, comedy clubs, restaurants and more
- The West Side Market — dozens of food vendors in a beautiful historic building

Other local attractions

The unique Little Italy, Ohio City Tremont, Gordon Square, Uptown and Waterloo neighborhoods, a few miles from Cleveland Clinic, offer a variety of restaurants, shops, galleries, craft breweries and more.

Blossom Music Center is the summer home of The Cleveland Orchestra and a popular outdoor concert venue.

The Cleveland Metroparks Zoo and Cedar Point Amusement Park offer family fun.

Outdoor pursuits

Lake Erie is a mecca for boaters, sailors and anglers.

The Cleveland Metroparks (16 nature preserves and lakefront beaches encircling the city) has running, hiking and biking trails, excellent for cross-country skiing, tobogganing and snowmobiling in winter.

Cuyahoga Valley National Park, a 33,000-acre preserve straddling the Cuyahoga River, is one of the most-visited U.S. national parks.

The Towpath Trail is an 85-mile biking and hiking route stretching from Cleveland to central Ohio.

