

## Special Services

Members of the Institute of Urology are widely recognized for their expertise in

- Laparoscopic and robotic surgery
- Extracorporeal shock wave lithotripsy (ESWL) for kidney stones
- Kidney stone surgery, both percutaneous nephrostolithotomy and conventional
- Surgery for urologic malignancies
- YAG laser therapy for superficial and deep-seated bladder cancers
- Alternatives to prostatectomy
  - Brachytherapy
  - High dose radiation (HDR)
  - External beam radiation therapy (EBRT)
  - Medical management
- Reconstructive surgery
  - Neobladder
  - Urethral reconstruction

## Surgical Procedures

- Adrenalectomy
- Nephrectomy (partial and radical)
- Nephropexy
- Nephroureterectomy
- Pelvic lymph node dissection
- Pyeloplasty
- Radical cystectomy with urinary diversion
- Radical prostatectomy
- Renal cyst marsupialization
- Retroperitoneal lymph node dissection (RPLND)
- Ureterolithotomy
- Ureterolysis
- Varicocelectomy

## Staff Physicians

John A. Libertino, MD  
*Chair, Institute of Urology*

Vincent A. Andaloro, Jr., MD  
*Senior Staff Urologist*

David M. Barrett, MD  
*President and Chief Executive Officer, Lahey Clinic*

Nelson E. Bennett, Jr., MD  
*Senior Staff Urologist*

John F. Bresette, MD  
*Co-director, Center for Urinary Continence*

Jill C. Buckley, MD  
*Senior Staff Urologist*

David Canes, MD  
*Senior Staff Urologist*

Karim J. Hamawy, MD  
*Co-director, Center for Prostate Disease*

Manuel J. Merino, MD  
*Senior Staff Urologist*

Ali Moinzadeh, MD  
*Director, Robotic Surgery*

Arthur Mourtzinos, MD  
*Senior Staff Urologist*

Kimberly Rieger-Christ, PhD  
*Associate Director, Cell and Molecular Biology Research Laboratory*

Alan R. Rote, MD, FACS  
*Senior Staff Urologist*

Robert A. Roth, MD  
*Director, Center for Stone Disease*

Andrea Sorcini, MD  
*Senior Staff Urologist*

John T. Stoffel, MD  
*Co-director, Center for Urinary Continence*

Ian C. Summerhayes, PhD  
*Director, Cell and Molecular Biology Research Laboratory*

Leonard N. Zinman, MD  
*Director, Center for Reconstructive Urologic Surgery*

• Many of our urologists are consistently recognized in Castle Connolly's annual *America's Top Doctors*® guide and Boston Consumers' Checkbook's "Boston Area's Top Doctors" list.

## TIMELINE

**1975** – John Libertino, MD, and Leonard Zinman, MD, perform the world's first revascularization of totally occluded renal arteries with return of kidney function

**1984** – John Libertino, MD, and Leonard Zinman, MD, pioneer a technique for creating continent reservoirs and neobladders following removal of a diseased bladder

– Lahey is one of the first users of extracorporeal shock wave lithotripsy for kidney stones

**1990** – Robert Roth, MD, pioneers an ultrasound-guided laser technique to remove prostate segments invading the urethra without removal of the entire gland

**1999** – John Libertino, MD, is part of the surgical team that performs the country's first simultaneous live donor kidney/liver transplant

**2003** – Working together, Lahey urologists and radiologists are among the first in the world to develop CT angiography to produce 3-D images of the kidneys prior to surgery

**2007** – Ali Moinzadeh, MD, pioneers robotic renal surgery

**2008** – David Canes, MD, pioneers single port laparoscopic surgery

## Key Milestones

- In 2008, Lahey was cited for the ninth consecutive year in *U.S. News & World Report's* "America's Best Hospitals" issue for excellence in treating urologic diseases.
- Urology residents continue to receive numerous prestigious research awards, including those from the New England Section of the American Urological Association, National Medical Association and Tufts University School of Medicine.

## Commitment to Excellence in Patient Care

### Center for Minimally Invasive Urologic Surgery

Our urologists have earned an international reputation as leaders in the field of minimally invasive urologic surgery, pioneering techniques that have had significant impact on patients with urologic cancer. Our surgeons use the da Vinci® Surgical System to perform robotic-assisted prostatectomies, in addition to a number of other state-of-the-art procedures. We have three da Vinci robots in our system.

### Center for Prostate Disease

Lahey urologists have led the way in developing open and minimally invasive surgical treatments for prostate cancer (see Center for Minimally Invasive Urologic Surgery, above). We also provide expertise in the diagnosis and treatment of benign conditions of the prostate, including enlarged prostate. Our physicians offer an advanced technique called holmium laser enucleation of the prostate (HoLEP)—whereby a high energy laser is used to destroy obstructing prostate tissue and evacuate it through the bladder—as an alternative to open or laparoscopic prostatectomy for patients with more extreme forms of prostate enlargement.

### Center for Reconstructive Urologic Surgery

Improvements in microsurgery and tissue transfer techniques have greatly enhanced our urologists' ability to reconstruct congenital, acquired and trauma-related genitourinary abnormalities with great success. The center's on-site Liebel-Flarsheim® imaging table helps to streamline the surgical planning process by allowing urologists to view urinary obstructions and immediately obtain the images they need to plan out reconstructive procedures.

### Center for Sexual Medicine

Our Center for Sexual Medicine is staffed by a fellowship-trained expert in sexual medicine and surgery who works collaboratively with physicians from multiple specialties to treat male patients with sexual and reproductive dysfunction. Special clinical interests include Peyronie's disease, erectile dysfunction, post-prostatectomy impotence, penile prostheses, premature ejaculation and varicocele.

### Center for Stone Disease

Our urologists collaborate with multiple specialists to evaluate and treat patients with simple and complex types of kidney stone disease. Lahey Clinic was the first hospital in New England to treat kidney stones through percutaneous nephrolithotomy and today offers extensive experience in this technique.

### Center for Urinary Continence

Our experts work together to develop highly individualized treatment plans for male and female patients with urinary incontinence disorders. Members of our center are particularly interested in advances in neurourology and work hand-in-hand with neurologists, neurosurgeons and orthopaedic surgeons to care for patients with spinal cord injuries, MS, Parkinson's disease and other neurologic conditions. Our center features advanced telemedicine capabilities used to automatically merge data from urodynamic tests with the patient's medical history to create a comprehensive medical evaluation report for more efficient diagnosis.

## Center for Urologic Cancers

We offer the most up-to-date treatment options for urologic malignancies, including cancers of the kidney, adrenal gland, bladder, prostate and testis. Lahey Clinic's Institute of Urology has attracted a diverse team of urologists from around the world whose surgical skill and commitment to research have resulted in new and more effective methods of diagnosing and treating these cancers, including a number of traditional laparoscopic and robot-assisted laparoscopic procedures (see Center for Minimally Invasive Urologic Surgery, above). Our urologists perform more than 400 prostatectomies annually.

## Groundbreaking Research

Urologic research at Lahey Clinic represents a truly unique collaboration between clinicians from the Institute of Urology and researchers in the Cell and Molecular Biology Laboratory. These experts join forces to explore advanced treatments for diseases of the upper and lower urinary tract. Recent studies have explored the following topics:

- Molecular analysis to discover the genes responsible for causing various urologic cancers
- New techniques in nephron sparing kidney surgery
- Promising treatment of urethral cancer with genital preservation
- Monoclonal antibody therapy for the treatment of kidney cancer
- Chemohormonal therapy prior to prostate surgery

For more information about ongoing clinical trials, visit the Lahey Web site at [www.lahey.org/ClinicalTrials](http://www.lahey.org/ClinicalTrials).

## Grand Rounds/CMEs

Our physicians are available to speak on these and other topics. To schedule Grand Rounds, please contact Deanna Walsh at 781-744-5310.

- Advances in neurourology
- Genitourinary reconstruction and trauma
- Holmium laser enucleation of the prostate (HoLEP)
- Nerve sparing surgery
- Percutaneous nephrolithotomy
- Post-prostatectomy impotence
- Renal cancer with venous invasion
- Robotic prostatectomy

## Hours of Operation

### Outpatient Clinics

- **Lahey Clinic Medical Center, Burlington (4 Southeast):**  
Monday through Friday, 8 am to 5 pm
- **Lahey Clinic Medical Center, North Shore (third floor):**  
Monday through Friday, 7:30 am to 5 pm
- **Lahey Medical Center, Lexington (second floor):**  
Monday through Friday, 7:30 am to 4 pm

### On-call (emergencies)

Physician on-call 24 hours a day, 7 days a week by calling 781-744-5100.

