It has been a busy summer in Durham with the opening of the new Duke Medicine Pavilion in July. This major expansion of Duke University Hospital includes 16 operating suites and 160 critical care beds that greatly expands our ability to provide enhanced care for our patients. We, also, welcomed two new faculty members: Dr. Chuck Scales, who recently finished a Robert Wood Johnson Foundation Clinical Scholars Fellowship in Health Sciences Research at UCLA and Dr. Sam Eaton, who recently completed an Endo-urology fellowship at Northwestern University.

We had an extremely impressive showing at this year’s AUA meeting in San Diego. In fact, our Duke Urology alumni reception held on Saturday evening May 4, 2013 broke all attendance records. It was wonderful to see all of our DYSURICs and friends from across the country and around the world. We anticipate an equally impressive showing at the upcoming AUA meeting in Orlando in 2014.

This past June, we graduated three outstanding chief residents, John Mancini, Suzanne Stewart and Brian Whitley. I had the opportunity to see all three at Brian’s wedding in Durham. John, Suzanne and Brian all appear to be enjoying their current positions. We are extremely proud of these individuals and know that they will stay in contact with the program.

We are especially proud of our residents who have achieved major accomplishments over the past few months. Tara Ortiz received a Urology Care Foundation 2013 Residency Research Award at the AUA meeting in San Diego and Zarine Balsara represented Duke Urology on the Southeastern Section team that won the Annual Residency Bowl during the AUA. There were also major accomplishments for our faculty. Brant Inman was named the Cary Robertson Assistant Professor of Urology in June. In addition, John Wiener was named to the American Board of Urology Examination Committee to write the questions for the Urology Board Exams, annual resident in-service exams, the SASP program, and Pediatric Urology Certification Examination.

Our newsletter includes updates on our progress here at Duke and in our Duke Urology of Raleigh practice. In addition, Sherry Ross provides a wonderful update of our Pediatric Urology Research Program. Finally, John Wiener provides an update on Duke Urology CME activities. We are especially excited about our upcoming 46th annual Duke Urologic Assembly symposium, which will be held in Pinehurst in early April, 2014. We would love to see as many DYSURIC’s as possible attending this meeting, as we will have a special dinner for our DYSURIA members.

I believe that our alumni are our most loyal supporters. We value your ideas, feedback and contributions. With industry funding virtually at a standstill, it is becoming much more difficult to support the educational activities of our residency program. Never has it been more critical that we receive support from our alumni for the continued success of Duke Urology. I would urge you to consider making a contribution to the DYSURIA society, which will go 100% to help support urology resident training at Duke. As we strive to keep our program as one of the elite training programs in the country, your support of resident education becomes even more critical.

Please consider making a year-end gift to DYSURIA. As always, we welcome you back to Durham for a visit so we can show you how much we have grown both within Duke Urology and at the Duke University Medical Center.

All the best for a wonderful holiday season,
Glenn
Dr. Thomas Polascik, MD

Dr. Polascik, who recently returned from the 6th International Symposium for Imaging and Focal Therapy in Prostate Cancer, has been actively engaged in this innovative treatment approach over the past 10 years.

“Focal therapy fundamentally changes the approach to how prostate cancer is diagnosed and managed,” Thomas Polascik, Duke Urology.

Focal therapy is an emerging technical approach that uses three dimensional imaging and targeted treatment to spare the prostate gland, and preserve the urinary and sexual function of the patient. Advances in both imaging and therapeutic technologies have enabled urologists to approach treatment in an entirely new way. New multi-parametric MRI technology can locate and target prostate cancer lesions more precisely than ever before, and new therapeutic devices such as cryotherapy, irreversible electroporation, and high intensity frequency ultrasound (HIFU) are in various stages of clinical trial and development. These new imaging technologies and therapeutic devices may significantly reduce the role of traditional surgical extirpation or radiation therapy.

Dr. Polascik is involved in several research studies and clinical trials examining new technological releases. He is a firm believer that new technologies will improve patient outcomes, and safety, and lead not only to patient living longer after prostate cancer, but with a better quality of life.

Dr. Polascik has been at Duke since 1998. He received his MD, at the University of Chicago in 1991, and completed his Urology Residency at Johns Hopkins in 1997. He has been awarded the Cary N. Robertson, MD, Assistant Professorship. Dr. Inman joined Duke in 2008 and is currently Vice Chief of Urology Research, Director of Clinical Trials for the Division of Urology, and a member of the Duke Institutional Review Board. His area of clinical expertise is the surgical treatment of genitourinary cancers, and in particular bladder, kidney, penile, and testicular cancer. From a research standpoint, Dr. Inman’s laboratory is focused on developing novel therapies and diagnostic tests for bladder cancer as well as exploring the immunologic aspects of genitourinary cancers.

Nationally, Dr. Inman is a core member of the bladder and penile cancer panels of the National Comprehensive Cancer Network (NCCN). He is also on the Board of Directors of the Society of Urological Oncology Clinical Trials Committee and a member of the Bladder Cancer Advocacy Network (BCAN). He has consulted for Blue Cross Blue Shield of North Carolina and for the U.S. Environmental Protection Agency on issues pertaining to urologic health. Internationally, Dr. Inman currently serves as consulting editor for the Journal of European Urology.

Dr. Inman received his undergraduate and medical degrees from the University of Alberta (Edmonton, Canada). He then completed his urology residency at Laval University (Québec, Canada) and his urologic oncology fellowship at the Mayo Clinic (Rochester, Minnesota).

The Cary N Robertson Assistant Professorship was made possible by donations from Earnest and Mildred Mario, Stanley P. Porter, Ella Ann L. and Frank B. Holding Foundation, R.A Bryan Foundation, Sam and Nancy Chestnut and the Samuel L. Phillips Foundation. This fund commemorates the extraordinary contributions of current Duke Associate Professor, Dr. Cary N. Robertson, who continues to serve Duke as a teacher and scientist, advancing the field of urology.

Cary N Robertson, MD, Assistant Professorship Announcement

Brant A. Inman, MD, MS, FRCSC

Theodore N. Pappas, MD, Distinguished Professor of Surgical Innovation, Interim Chair, Department of Surgery is pleased to announce that Brant A. Inman, MD, MS, FRCSC has been awarded the Cary N. Robertson, MD, Assistant Professorship.

Brant A. Inman, MD, MS, FRCSC, Assistant Professor, Division of Urology, has been awarded the Cary N. Robertson, MD, Assistant Professorship. This Duke Medicine endowed professorship honors our most distinguished physician-scientists who have demonstrated extraordinary academic excellence in advancing medical science and human health.

Dr. Inman joined Duke in 2008 and is currently Vice Chief of Urology Research, Director of Clinical Trials for the Division of Urology, and a member of the Duke Institutional Review Board. His area of clinical expertise is the surgical treatment of genitourinary cancers, and in particular bladder, kidney, penile, and testicular cancer. From a research standpoint, Dr. Inman’s laboratory is focused on developing novel therapies and diagnostic tests for bladder cancer as well as exploring the immunologic aspects of genitourinary cancers.

Nationally, Dr. Inman is a core member of the bladder and penile cancer panels of the National Comprehensive Cancer Network (NCCN). He is also on the Board of Directors of the Society of Urological Oncology Clinical Trials Committee and a member of the Bladder Cancer Advocacy Network (BCAN). He has consulted for Blue Cross Blue Shield of North Carolina and for the U.S. Environmental Protection Agency on issues pertaining to urologic health. Internationally, Dr. Inman currently serves as consulting editor for the Journal of European Urology.

Dr. Inman received his undergraduate and medical degrees from the University of Alberta (Edmonton, Canada). He then completed his urology residency at Laval University (Québec, Canada) and his urologic oncology fellowship at the Mayo Clinic (Rochester, Minnesota).

The Cary N Robertson Assistant Professorship was made possible by donations from Earnest and Mildred Mario, Stanley P. Porter, Ella Ann L. and Frank B. Holding Foundation, R.A Bryan Foundation, Sam and Nancy Chestnut and the Samuel L. Phillips Foundation. This fund commemorates the extraordinary contributions of current Duke Associate Professor, Dr. Cary N. Robertson, who continues to serve Duke as a teacher and scientist, advancing the field of urology.
Dr. Scales received his medical degree from Duke University in 2004 and stayed at Duke to complete both a urology residency in 2011 and a fellowship in endo-urology in 2012. He completed the Robert Wood Johnson Foundation Clinical Scholars Program at the University of California, Los Angeles in 2013. His clinical interests include medical and surgical management of kidney stone disease, shock wave lithotripsy, medical and minimally-invasive management of benign prostatic hyperplasia, and endoscopic management of urinary-tract obstruction. Dr. Scales returns to Duke as Assistant Professor of Urology and will be conducting his clinical practice at Duke University Hospital.

Dr. Eaton received his medical degree from Columbia University College of Physicians and Surgeons in 2003. Following completion of his urology residency at Boston University in 2011, he completed a 2 year endo-urology fellowship at Northwestern University in Chicago that focused on both advanced stone management as well as laparoscopic and robotic surgery. His clinical interests include stone disease (including both medical and surgical management), prostate cancer (including robot-assisted prostatectomy), kidney cancer (focusing on minimally invasive and renal sparing techniques including robotic partial nephrectomy), upper tract urothelial cancer (including endoscopic management and robotic assisted nephroureterectomy), upper tract obstruction (endoscopic and laparoscopic/robotic management of UPJ obstruction and ureteral stricture disease), as well as general urology. Dr. Eaton joins the faculty as Assistant Professor of Urology and will practice at Duke Urology of Raleigh.

Glenn M. Preminger, MD received the prestigious St. Paul’s Medal from the British Association of Urological Surgeons for contributions to the field of Urology and was honored at the annual meeting in Manchester, England on June 20, 2013.

Pei Zhong, Ph.D. was endowed as Anderson-Rupp Professor of Mechanical Engineering and Materials Science from July 1, 2013 to June 30, 2018.

George D. Webster, MB, FRCS was honored by the Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction for his leadership in fellowship training for the specialty of Female Pelvic Medicine and Reconstructive Surgery. Dr. Webster, along with Drs. Jerry Blaivas, Ed McGuire and Shlomo Raz were recognized as pioneers in the development of this specialty at a dinner and tribute entitled, “Standing on the Shoulders of Giants” in San Diego, CA, May 4, 2013.

Edward N. Rampersaud Jr., MD was selected to serve on the NCCN Kidney Cancer Guidelines panel.
Community Urology: Using Webinars for Patient Education

"The internet has changed how patients learn and cope with their disease. For physicians, the internet provides an opportunity to present wide-ranging and current information in a variety of teaching formats. The internet eliminates many of the traditional barriers to patient education and empowers patients with 24 hour access to high-quality, patient-centered resources," Aaron Lentz MD, Duke Urology of Raleigh.

In conjunction with Duke Raleigh Hospital, Dr. Lentz and the team of urologists at Duke Urology of Raleigh have begun providing patient education services by offering interactive webinars for patient education. The webinars are live presentations accessible to the public through the Duke Raleigh website, and allow for "real-time" question and answer sessions with our physicians. After a focused presentation, patients can submit questions via text message, instant message, or Twitter. The topics presented to date have focused on male-wellness including erectile dysfunction and low testosterone.

In the future, the webinars will be expanded to cover many more urologic conditions. After conclusion of the live session, each webinar is uploaded to the Internet and can be accessed through YouTube (http://www.youtube.com/user/DukeRaleighNews) or the Duke Raleigh Hospital website. We are very proud of this outreach project and anticipate partnering with the hospital for additional patient service opportunities.

Delivering care to the patients of Wake County has given Duke Urologists a unique opportunity to bring cutting edge therapies to a new patient population, and the staff at Duke Raleigh Hospital provide outstanding care and service to our patients” Cary N. Robertson, Professor of Urology

About Duke Urology of Raleigh

Duke Urology of Raleigh was established in 2010 on the Duke Raleigh Hospital Campus, and provides both inpatient and outpatient care to the Wake County community. The hospital has welcomed the services and expertise of Duke Urologists, and we provide a full service of oncological, reconstructive and general urological services using the latest advances in minimally invasive and robotic techniques.

Location: 2480 Wake Forest Road, Raleigh, NC 27609

Urologic Cancer Survivorship Clinic

The Urologic Cancer Survivorship Clinic is designed to meet the quality-of-life needs of the growing number of cancer survivors. Minimally invasive treatments, for example, can help patients with leakage of urine and voiding dysfunction. Infertility can be addressed as well, with many new and effective therapies. The Survivorship Team is actively involved in research to assess new treatments – such as the male sling for incontinence (the procedure involves placement of a synthetic mesh in the groin to elevate the urethra and alter its position) – and outcomes studies that evaluate patient perceptions of survivorship before and after treatment in the clinic.

Duke Urology is the first program in the country to offer specialized training in the treatment of conditions that affect cancer survivors’ quality of life. The Genitourinary Cancer Survivorship Fellowship at Duke University and the Durham Veterans Administration Medical Center is a one-year program that offers the fellow an opportunity to become proficient in the evaluation and management of all morbidities suffered by patients who have undergone treatment for urologic and pelvic malignancies. This program focuses on managing the genitourinary concerns and complications of patients who have undergone treatment for genitourinary, pelvic and other malignancies.

The operative scope of the fellowship includes intra-abdominal and pelvic reconstruction, urinary strictures and fistula disease, erectile dysfunction, urinary incontinence and complex voiding dysfunction as a result of prior cancer treatment. Fellows also participate in multidisciplinary projects including urology, colorectal surgery, gynecology, radiation and medical oncology that attune them to the continuum of care for this group of patients. A structured training program in
cancer survivorship confers a unique set of medical and surgical skills to urologists who want to care for the burgeoning number of cancer survivors, while improving our patient care and research opportunities at the same time.

“We are really a leader in this area,” says Drew Peterson (Clinic Medical Director), acknowledging an upcoming American College of Surgeons Commission on Cancer (CoC) requirement for all accredited programs to offer a survivorship program by 2015.

Men’s Health Day

Duke Urologist’s participated in the Annual Duke Cancer Institute’s Men’s Health Day held in Durham on September 22 and 23, 2013. The event was held at Duke University Hospital and Lincoln Community Health Center. Duke Urologic Oncology faculty, Lincoln Community Health providers, Durham Diabetes Coalition and Healing with CAARE Inc. offered advice on prostate cancer risk assessment (based on the latest AUA recommendations), diabetes screening, blood pressure checks, and body mass index (BMI) screening. 19 faculty and staff for Urology attended the event and provided medical advice and screening services to the conference attendees.

“In general, many men do not visit a doctor regularly”, says Judd Moul, MD, Duke Urologist and James H Semans Professor of Surgery, and this event brought many men in for a more comprehensive health assessment. Moul says the teams used the new American Urologic Association (AUA) prostate early detection guidelines to inform men about their current and future risk for prostate cancer while doing this in the context of their overall health status.

The Duke Urologic Oncology team performs its clinical work as a core part of the Duke Cancer Institute, in the newly opened Duke Cancer Center which has created a multi-disciplinary working environment were urologists, medical oncologists, and radiation oncologists collaborate to provide the best care and treatment for cancer patients.

RESIDENT SECTION

Resident Spotlight: Urology Care Foundation Award

Tara K. Ortiz, MD received a prestigious Urology Care Foundation Residency Research Award at the AUA annual meeting held in San Diego, CA, May 4-8, 2013.

Dr. Ortiz, a third year Duke Urology Resident, is spending her research year in basic science working under the mentorship of Sherry Ross, MD (Pediatric Urology) and Patrick Seed, MD PhD (Pediatrics). She is utilizing this team’s novel urinary tract infection-spinal cord injury rat model to better understand the increased susceptibility of the neurogenic bladder to urinary tract infections, a leading cause of morbidity and mortality in patients with a neurogenic bladder due to neurological injury or abnormalities such as Spina Bifida. By better understanding the mechanisms that result in increased infections of the neurogenic bladder, improved treatment and preventive therapies can be developed which will substantially improve patient care in this population.

“I am extremely proud that the research that we are conducting here at Duke has been recognized by the AUA, and that the hard-work and dedication that Tara has devoted to this project has paid off. Dr. Seed and I are looking forward to mentoring her through her research year experience, as she completes this project,” Sherry Ross, MD Pediatric Urology.

Tara’s research project titled: “The Role of Type I Pilus in the Adherence and Invasion of Bladder Epithelium in a spinal Cord injured rat model” was awarded the Russell Scott Jr. Urology Research Award. The Urology Care Foundation is the official foundation of the American Urological Association and offers these awards to only four residents per year. Other award recipients included residents from Columbia, Loyola and Stanford.

“Tara’s recognition is a testament to the quality of faculty mentorship and institutional support that our residents receive during their research year experience here at Duke. We are proud to be supporting the development of the future generation of basic science researchers in Urology,” Steve Freedland, Urology Research Residency Director.

About Urology Resident Research at Duke

All residents in Urology at Duke spend a full year in dedicated academic research. This has been a long tradition at Duke and we are now one of only a few programs in the country to offer such an experience. We firmly believe that this year is invaluable in training the future urological leaders of tomorrow. Whether our graduates will pursue academic careers or full-time clinical practice, they need to be experts in understanding the literature and how to interpret new scientific discoveries as they apply to their practice. What better way to understand the literature...
than to be a contributor? In addition, our residents gain a deep understanding of statistics – the language of how to communicate scientific findings. This year also provides valuable time for our residents to reflect on their careers and help formulate their career plans. Due in large part to this dedicated research year, Duke Urology has produced many leaders in urology from department chairs, to leading academicians, to premier clinicians. The dedicated research year is an important tradition for Duke Urology and one that we are extremely proud of.

Duke hosts North Carolina Urology Resident Symposium

The Grandover Residency Retreat is an annual event where the three North Carolina urology programs (Duke, UNC and Wake Forest) meet for a research and debate competition. This is the 13th year of the event and was attended by 28 residents and 27 faculty. A nationally renowned visiting professor is brought in to give an educational lecture during the day's events. This year, Dr. James Eastham, Chief of Urology at Memorial Sloan-Kettering gave our keynote lecture on "Clinically Localized Prostate Cancer".

“This event gives residents the opportunity to network with their peers, and is an invaluable learning experience. We hope to continue being able to fund this and other educational opportunities for our residents in the future,” Michael Ferrandino, MD, Associate Program Director, Duke Urology Residency Program.

Duke was represented well in the research and debate competition. Dr. Nicholas Kuntz took first place for his research presentation titled "Striking Dose and Time Dependency of Radiation Cystitis in the Rat: Repeat Cystometric Evaluation with Saline Alone and Potassium Chloride Challenge". Our residents, Rajeev Chaudry MD and Michael Granieri, MD, won their debates, with Duke bringing home 2 out of a possible 4 awards in the debate competition.

2013 Incoming Residents (Class of 2019)

Bryce A Allio, MD
Medical School: New York – University of Rochester

Eugene B. Cone, MD
Medical School: Brown University

2013 Graduating Residents

John G. Mancini, MD – Class of 2013
Private Practice: United States Armed Forces

Suzanne B Stewart – Class of 2013
Uro-Oncology Fellowship – Mayo Clinic, Minnesota

Brian M Whitley – Class of 2013
Private Practice: Sanford, North Carolina

Resident Honors

Zarine R. Balsara, MD, PhD was a member of the Southeastern Section team that won the American Urological Association Residency Bowl Competition at the AUA annual meeting held in San Diego, CA, May 4-8, 2013.

Tara K. Ortiz, MD received a Urology Care Foundation 2013 Residency Research Award at the AUA annual meeting held in San Diego, CA, May 4-8, 2013.

Tara K. Ortiz, MD was selected as a 2014 Feagin Leadership Scholar on July 29, 2013. This program gives scholars an opportunity to develop and apply their leadership skills to the Duke medical community and beyond.

Michael A. Granieri, MD and Rajeev Chaudry, MD were winners for their urologic debates at the Annual North Carolina Urology Resident Symposium ("Grandover") held in Greensboro, NC, September 7, 2013.

Nicholas J. Kuntz, MD was first place winner for his research presentation at the Annual North Carolina Urology Resident Symposium ("Grandover") held in Greensboro, NC, September 7, 2013.

“Since 2004, we have graduated three outstanding chief residents, John Mancini, Suzanne Stewart and Brian Whitley. I just had the opportunity to see all three at Brian’s wedding in Durham last month. John (Military Urology practice in Colorado), Suzanne (SUO Fellowship, Mayo Clinic, Rochester, MN) and Brian (Group Practice, Sanford, NC) all appear to be enjoying their current positions. We are extremely proud of these individuals and know that they will continue to support Duke Urology,” Glen Preminger, Division Chief, Duke Urology.
The Emergence of Health Services Research

Health Service Research is an emerging area; could you explain the importance of this type of investigation to the future of the field?

A Health services research, also known as population health science, focuses on four key aspects of health care: access to care, understanding care delivery, the financing of patient care, and patient outcomes. The Institute of Medicine has noted that important opportunities to improve the quality and safety of patient care exist across all medical specialties. Health services research provides the scientific underpinning to identify opportunities to improve quality and safety, design systems to deliver effective, patient-centered care, and rigorously evaluate innovative methods of patient care.

Q It is great to be back in North Carolina. My wife and I are very excited to return to Durham, which continues to grow and be a great place to raise a family. It is also a real privilege to join the faculty at Duke, where I was a medical student and a resident.

A The Clinical Scholars Program at UCLA was a phenomenal learning experience. Not only did I further develop my research skills, but I also provided clinical care to underserved patients in Los Angeles County. Training in leadership and health policy were an integral part of the program. Finally, I had the opportunity to be part of the UCLA Health System team tasked with improving the quality of care by reducing inpatient mortality.

Q What specific areas of research are you planning to study?

A I am particularly interested in assessing the quality of urologic care delivery and designing tools or interventions to improve the quality of treatment for patients with both benign and malignant urologic conditions. Current projects focus on understanding care delivery for older adults with overactive bladder symptoms, and creating decision aids to help patients with kidney stones decide among various treatment and prevention options. Other efforts will focus on identifying opportunities and methods for improving care delivery for patients with oncologic malignancies.

Q Why did you decide that Duke was the place for you to begin this important work?

A The rich clinical history of Duke Urology and Duke Surgery, combined with the expertise and research infrastructure of the Duke Cancer Institute and the Duke Clinical Research Institute made a return to Durham very compelling. I’m excited to have the opportunity to begin my clinical practice and research career at Duke.

Pediatric Urology Research

Research in the section of Duke Pediatric Urology continues to move forward and grow with exciting research in basic science, outcomes and clinical research.

Dr. Tara Ortiz, a 3rd year Duke Urology resident is spending her research year in basic science working under the mentorship of Dr. Sherry Ross and Dr. Patrick Seed, who is instrumental in designing and overseeing collaborative laboratory projects.

Dr. Ortiz is working to better understand the mechanisms that increase susceptibility to urinary tract infection in our novel neurogenic-UTI rat model. We are eager to learn more about these interactions since a better understanding of urinary tract infections in the neurogenic bladder will encourage the development of preventive therapies for recurrent UTIs in this population.

Dr. Erin McNamara, a former Duke Urology chief resident who is currently a fellow of pediatric urology at Boston Children’s Hospital, presented the results of our project titled “Evaluation of Cold Ischemia for Preservation of Testicular Function during Partial Orchiectomy in the Rat Model” at the Society of Pediatric Urology national meeting in Las Vegas in September. This study was inspired by the increased use of partial orchiectomy in children with benign appearing testicular tumors and a recent study suggesting that cold ischemia during partial orchietomy may be beneficial. We hypothesized that cold ischemia during testicular torsion may be beneficial.

Dr. Ortiz is working to better understand the mechanisms that increase susceptibility to urinary tract infection in our novel neurogenic-UTI rat model. We are eager to learn more about these interactions since a better understanding of urinary tract infections in the neurogenic bladder will encourage the development of preventive therapies for recurrent UTIs in this population.

Continued on next page.
RESEARCH Con’t.

manuscript for this study will be submitted for consideration for publication in the Journal of Urology.

Dr. Jonathan Routh is continuing his efforts to better understand urologic diseases in children through outcomes research efforts. Dr. David Chu, a current Duke Urology chief resident and Dr. Routh were invited to present their work as a podium presentation at the Society of Pediatric Urology national conference. This interesting study found that in a large, nationwide pediatric cohort, radical nephrectomy remained the most common primary surgical intervention for pediatric renal tumors. However, over the study period nephron sparing surgery was consistently performed in 11% of pediatric renal tumor cases. Importantly, they noted a significant regional variation in the use of nephron sparing surgery and association with a concomitant diagnosis of renal failure/insufficiency, but not with any other clinical or socioeconomic factors. In addition, Dr. Routh and Dr. Scott Wang, a 3rd year Urology resident, are working very hard this year on multiple projects including a project titled “Patterns in Emergency Care among Spina Bifida Patients: a Case-Control Study” where they will investigate the national patterns of emergency care among spina bifida patients compared to non-spina bifida controls. In addition, they are utilizing the Surveillance, Epidemiology, and End Results (SEER) database to examine nephron sparing surgery (NSS) outcomes and factors associated with NSS use in Wilms Tumor. Last, we are very excited to announce that Dr. Routh was recently awarded a K-12 grant for his work titled “Comparative Effectiveness of Vesicoureteral Treatments in Children”. We are very proud of Dr. Routh and look forward to his continued research efforts that enhance our knowledge and improve the care of children in pediatric urology.

RECENT SIGNIFICANT PAPERS


The Duke Youthful Society of Urology Residents Interested in Advancement (DY-SURIA) was established in 1966 and is the official alumni association of Duke Urology. DY-SURIA currently has over 295 active alumni and honorary members and is a key contributor to the success of the Duke Urology Residency Program.

Everett Anderson Education Fund

It is with the greatest of gratitude that we are proud to announce the E. Everett Anderson Education Fund, a new fundraising initiative to honor the educational legacy cultivated by Dr. Anderson in his more than 48 years of dedicated service to Duke University. This new fund will be used to support the educational needs of the Urology Residency Program.

“Everett has been an integral fixture in Duke Urology for over 40 years and he continues to educate our medical students, residents and fellows. Everett has forgotten more in Urology than I will ever know,” Glenn Preminger MD, Division Chief, Duke Urology.

Edward Everett Anderson was born in Durham, North Carolina on May 10, 1932. He was educated at Phillips Academy, entered Duke and received his BS in 1954 and MD in 1958. He trained at Duke, Yale, the Washington School of Medicine in Seattle and the Peter Bent Brigham Hospital, Boston.

He joined the Urology staff at Duke University Medical Center in 1965, became Assistant Professor in 1966, Associate Professor in 1969 and Professor in 1972. He has had active reserve duty entering as Captain in 1961 and exiting as Lieutenant Colonel in 1971.

After his retirement in 2002, Dr. Anderson assumed the role of resident mentor at the Durham VA Hospital where he continues to teach and advise residents two days a week. To those of us at Duke, Everett is best known for his teaching and patient care skills, as well as his wonderful sense of humor.

“The pressures of modern healthcare economics on educational funding, has made it challenging for academic programs to continue to find the financial resources to enrich the resident educational experience,” Drew Peterson, Program Director, Duke Urology Residency Program.

The E. Everett Anderson Education Fund will be funded by an annual gift giving campaign that we are asking our alumni to support.

DYSURIA Committee Co-Chairs

A new committee is being formed to help manage and shape the future of DYSURIA. Drs. John Wiener and Jeff Taber will be working to establish the committee to improve networking and communication; develop scientific and social programs; and raise funds to support current Duke residents.

In 2014, DYSURIA will increase its networking opportunities and invites alumni to attend the following events:

DYSURIA Calendar 2014

April 5, 2014
DYSURIA Dinner at the Duke Urology Assembly
Pinehurst, North Carolina

May 16, 2014 [tentative]
DYSURIA Cocktail Party at the AUA
Orlando, Florida

June 20, 2014
DYSURIA 5th and 25th Year Graduates at the Annual
Chief Residents’ Graduation Dinner
Durham, North Carolina

Reinvigoration of the DYSURIA Community

The Duke Urology Residency Program has been training residents since 1966 and has graduated more than 100 leaders in the field. The proud legacy of the Duke program is the success of its graduates and their contributions to the lives of patients with urological diseases across the country. The current reputation and success of the Duke Urology Residency Program is the result of the efforts of all graduates of the program, who have helped shape the program and through their individual achievements continue to generate a source of pride for the Program.

The modern pressures of clinical practice, education and research make it challenging for us all to come together as a community, and as a result we are announcing a new structure for the DYSURIA group, that will now be led by an alumni committee.
Duke Tuesday Lecture Series - November

Dean G. Assimos, MD, Chairman of Urology at the University of Alabama-Birmingham was the Duke Tuesday guest faculty speaker on November 12. Dr. Assimos delivered the keynote lecture on “Urinary Oxalate: How Did It Get There and How to Reduce It.”

Duke faculty speaking that day included Stephen J. Freedland, MD (Lifestyle and Prostate Diseases), Michael R. Harrison, MD (GU Oncologist – Treatments for Metastatic Renal Carcinoma), and Michael E. Lipkin, MD (Imaging for Urolithiasis).

2014 Duke Tuesday Education Series

February 11, 2014
Christopher Saigal, MD, MPH
Professor and Vice Chair of Urology, UCLA

July 15, 2014
Morris Center for Research Lectureship
Joel B Nelson, MD
Professor and Chair of Urology
University of Pittsburgh School of Medicine

November 4, 2014
John E. Dees Lectureship
John W Brock III, MD
Professor and Chief,
Division of Pediatric Urology,
Monroe Carell Jr. Children’s Hospital,
Vanderbilt University

To register for the Duke Tuesday Education Series for 2014 register at the Duke CME Website or contact Robin Phillips, CMECoordinator, robin.phillips@duke.edu. This lecture series offers 3.0 PMA Continuing Education Credits per lecture.

Duke Urologic Assembly 2014 Symposium

The 46th Annual Duke Urologic Assembly (DUA) will return to its roots and be held April 3 – April 6, 2014 in the historic village of Pinehurst for the first time since 1992. This year’s format includes a dedicated day focused on oncology. Thursday, April 3rd will be the Duke Urologic Cancer Symposium jointly hosted by Duke Urology and the Duke Cancer Institute, with 13 Duke urologic oncologists, medical oncologists, and radiation oncologists speaking on the latest diagnostic, medical, and surgical aspects of urologic cancer management. Friday, April 4th – Sunday, April 6th will be focus on urologic diseases and treatments.

Attendees have the opportunity to enjoy the spa facilities, family recreational activities, and any one of Pinehurst’s eight world-class golf courses. As a special event, a limited number of golf tee times on the world famous Pinehurst No. 2 Golf Course have been reserved for Friday afternoon. This course will also host the US Open and US Women’s Open Championships just two months later. If you wish to play No. 2 that day, please contact Robin Phillips at 919-668-3532.

Registration information will be available on the Urology website at http://urology.surgery.duke.edu/cme. To reserve your hotel room and tees for additional rounds of golf, please call the Pinehurst Resort directly at 1-877-403-2874. A block of rooms is being held at a special rate but you will need to book early as these are in high demand.

History of the DUA

The Duke Urologic Assembly was established to meet the scientific and educational needs of Duke Alumni and practicing urologists. The first meeting was held in 1966 in the Jack Tar Hotel in Durham and was named the Symposium Urologic Education.

Donations

Charitable gifts are a driving force in the current success and future achievements of our physicians, educators, and scientists. If you are interested in learning more about supporting Duke Urology, please contact Jillian Ream, Duke Medicine Development and Alumni Affairs, jillian.ream@duke.edu or 919-385-3197.
LEADING EDGE UROLOGY

46th DUKE UROLOGIC ASSEMBLY
and DUKE UROLOGIC CANCER SYMPOSIUM

Thursday, April 3 – Sunday, April 6, 2014

PINEHURST CONFERENCE CENTER
in the historic village of PINEHURST, NORTH CAROLINA

Presented by

Duke Urology
A Division of the Department of Surgery

Sponsored by

Duke University School of Medicine
# Agenda

**Thursday, April 3, 2014**

<table>
<thead>
<tr>
<th>Session I ONCOLOGY: Localized Prostate Cancer</th>
<th>4:40 pm</th>
<th>Cutting Edge: Molecular Characterization of Prostate Cancer – Harrison</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 am Welcome/Opening Remarks</td>
<td>5:00 pm</td>
<td>Panel Discussion</td>
</tr>
<tr>
<td>8:35 am Active Surveillance and Surgery – Moul</td>
<td>5:30 pm</td>
<td>Adjourn</td>
</tr>
<tr>
<td>8:55 am Contemporary Radiation Therapy – Lee</td>
<td>10:10 am Break</td>
<td></td>
</tr>
<tr>
<td>9:15 am Hormones and Other Systemic Therapies in Non-Metastatic Prostate Cancer – George</td>
<td>10:20 am Break</td>
<td></td>
</tr>
<tr>
<td>9:35 am Racial Disparities in Prostate Cancer – Paterino</td>
<td>9:55 am Case Discussion</td>
<td></td>
</tr>
<tr>
<td>10:20 am Break</td>
<td>9:00 am</td>
<td>Panel Discussion</td>
</tr>
<tr>
<td>10:20 am Break</td>
<td>9:20 am</td>
<td>Break</td>
</tr>
</tbody>
</table>

**Friday, April 4, 2014**

<table>
<thead>
<tr>
<th>Session VI ONCOLOGY: Renal Cell Carcinoma</th>
<th>8:00 am</th>
<th>Cyto-reductive Nephrectomy and Metastasectomy – Rampersaud</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:30 am Active Surveillance and Surgery – Moul</td>
<td>8:20 am</td>
<td>Surveillance of Renal Masses – Uzzo</td>
</tr>
<tr>
<td>9:50 am Modern Imaging of Renal and Prostate Tumors – Hirsch</td>
<td>9:40 am</td>
<td>Management of AlternativeHistologies in RCC – George</td>
</tr>
<tr>
<td>10:10 am What To Do When First Line Therapy Fails – Harrison</td>
<td>9:00 am</td>
<td>Panel Discussion</td>
</tr>
<tr>
<td>10:20 am Break</td>
<td>9:20 am</td>
<td>Break</td>
</tr>
</tbody>
</table>

**Sunday, April 6, 2014**

<table>
<thead>
<tr>
<th>Session XI UROLOGY: Renal Masses</th>
<th>10:10 am</th>
<th>Endoscopic Management of Ureteral Strictures – Lipkin</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:30 am Open Management of Ureteral Strictures – Peterson</td>
<td>10:50 am</td>
<td>Panel Discussion</td>
</tr>
<tr>
<td>11:00 am Break</td>
<td>11:10 am Break</td>
<td></td>
</tr>
<tr>
<td>11:20 am Radiologic Work Up of Renal Masses – Leder</td>
<td>11:40 am</td>
<td>VICTOR A. POLITANO LECTURESHP presented by Robert Uzzo, MD – Nephrometry Scores</td>
</tr>
<tr>
<td>12:20 pm Adjourn</td>
<td>12:20 pm Break</td>
<td></td>
</tr>
</tbody>
</table>

**Saturday, April 5, 2014**

<table>
<thead>
<tr>
<th>Session IX UROLOGY: Stones</th>
<th>8:00 am</th>
<th>Adjuvant Medical Therapy</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:20 am</td>
<td>Following Surgical Stone Management – Preminger</td>
<td></td>
</tr>
<tr>
<td>8:40 am</td>
<td>AUA Guidelines for Imaging Known or Suspended Ureteral Calculi – Lipkin</td>
<td></td>
</tr>
<tr>
<td>9:00 am</td>
<td>Ureteral Stone Management - SWL v URS - Are we doing the right thing – Scales</td>
<td></td>
</tr>
<tr>
<td>9:20 am</td>
<td>Panel Discussion</td>
<td></td>
</tr>
<tr>
<td>10:10 am</td>
<td>Break</td>
<td></td>
</tr>
</tbody>
</table>

**Friday, April 4, 2014**

<table>
<thead>
<tr>
<th>Session VII UROLOGY: Focal Therapy</th>
<th>9:30 am</th>
<th>Modern Imaging of Renal and Prostate Tumors-Impact on Focal Ablative Therapies – Gupta</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:50 am</td>
<td>Prostate Focal Therapy: Cryotherapy and Nanoknife – Polascik</td>
<td></td>
</tr>
<tr>
<td>10:10 am</td>
<td>Prostate HIFU – Robertson</td>
<td></td>
</tr>
<tr>
<td>10:30 am</td>
<td>Renal Focal Therapy: Cryotherapy and Radiofrequency Ablation – Polascik</td>
<td></td>
</tr>
<tr>
<td>11:10 am</td>
<td>Break</td>
<td></td>
</tr>
</tbody>
</table>

**Sunday, April 6, 2014**

<table>
<thead>
<tr>
<th>Session XII UROLOGY: Pelvic Floor &amp; Male Reconstructio</th>
<th>11:40 am</th>
<th>Urinary Tract Dysfunctions-State of the Art 2014 – Fraser</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:20 pm Adjourn</td>
<td>12:20 pm Break</td>
<td></td>
</tr>
</tbody>
</table>

**Saturday, April 5, 2014**

<table>
<thead>
<tr>
<th>Session X UROLOGY: Endourology/Robotics</th>
<th>9:30 am</th>
<th>UPJ Obstruction – Ferrandino</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:50 am</td>
<td>Robotics – Eaton</td>
<td></td>
</tr>
</tbody>
</table>

**Sunday, April 6, 2014**

<table>
<thead>
<tr>
<th>Session XIII UROLOGY: Andrology</th>
<th>9:30 am</th>
<th>AUA Vasectomy Guidelines – Viviano</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:50 am</td>
<td>Non-Surgical Management of Peyronie’s Disease: Options and Efficacy – Lentz</td>
<td></td>
</tr>
<tr>
<td>10:10 am</td>
<td>Advances in Medical Therapy for BPH – Scales</td>
<td></td>
</tr>
<tr>
<td>10:30 am</td>
<td>Testosterone Replacement Therapy and Prostate Cancer: An Update – Viviano</td>
<td></td>
</tr>
<tr>
<td>11:10 am</td>
<td>Break</td>
<td></td>
</tr>
</tbody>
</table>

**Sunday, April 6, 2014**

<table>
<thead>
<tr>
<th>Session XIV UROLOGY: Pediatrics</th>
<th>11:20 am</th>
<th>Contemporary Management of Vesicoureteral Reflux – Routh</th>
</tr>
</thead>
<tbody>
<tr>
<td>11:40 am</td>
<td>Urinary Tract Infection in the Neurogenic Bladder: What We’ve Learned – Ross</td>
<td></td>
</tr>
<tr>
<td>12:20 pm</td>
<td>Managing Pediatric Voiding Dysfunction – Wiener</td>
<td></td>
</tr>
<tr>
<td>12:40 pm</td>
<td>Panel Discussion</td>
<td></td>
</tr>
<tr>
<td>12:50 pm</td>
<td>Closing Remarks</td>
<td></td>
</tr>
<tr>
<td>13:10 pm</td>
<td>Adjourn</td>
<td></td>
</tr>
</tbody>
</table>

---

**DUKE UROLOGY UPDATE • FALL 2013 • 13**
## Faculty

### 2014 CONFERENCE MEDICAL DIRECTORS
- John S. Wiener, MD
  - Associate Professor of Surgery
  - Associate Professor in Pediatrics
  - Section Head, Pediatric Urology
  - Department of Surgery, Division of Urology
  - Duke University Medical Center

- Daniel J. George, MD
  - Associate Professor of Medicine
  - Associate Professor in Urology
  - Director, GU Oncology, Duke Cancer Institute
  - Department of Medicine, Medical Oncology
  - Duke University Medical Center

### 2014 Victor A. Politano, MD, Lectureship
- Robert Uzzo, MD, FACS
  - G. Willing “Wing” Pepper Chair in Cancer Research
  - Professor and Chairman, Department of Surgery
  - Fox Chase Cancer Center
  - Temple University School of Medicine
  - Philadelphia, PA

### GUEST FACULTY
- Richard C. Rink, MD, FAAP, FACS
  - Robert A. Garrett Professor, Pediatric Urology
  - Riley Hospital for Children
  - Indiana University School of Medicine
  - Indianapolis, Indiana

- Matthew I. Milowsky, MD
  - Associate Professor of Medicine
  - Section Chief, Genitourinary Oncology Service
  - UNC Lineberger Comprehensive Cancer Center
  - Chapel Hill, North Carolina

### DUKE UNIVERSITY FACULTY
- Samuel H. Eaton, MD
  - Assistant Professor
  - Department of Surgery, Division of Urology

- Michael N. Ferrandino, MD
  - Associate Professor of Surgery
  - Director, Minimally Invasive Urologic Surgery
  - Associate Residency Program Director
  - Department of Surgery, Division of Urology

- Matthew O. Fraser PhD
  - Associate Professor of Surgery
  - Department of Surgery, Division of Urology

- Stephen J. Freedland, MD
  - Associate Professor of Surgery
  - Associate Professor in Pathology
  - Department of Surgery, Division of Urology
  - Member of the Duke Cancer Institute

- Rajan T. Gupta, MD
  - Assistant Professor of Radiology
  - Director, Abdominal Imaging Fellowship Program
  - Department of Radiology, Division of Abdominal Imaging

- Michael R. Harrison, MD
  - Assistant Professor of Medicine
  - Department of Medicine, Division of Oncology
  - Member of the Duke Cancer Institute

- Bradford R. Hirsch, MD
  - Assistant Professor of Medicine
  - Department of Medicine, Division of Oncology
  - Member in the Duke Clinical Research Institute

- Brant A. Inman, MD, MS, FRCS
  - Cary N. Robertson, MD, Assistant Professor
  - Department of Surgery, Division of Urology
  - Member of the Duke Cancer Institute

- Ngoc-Bich (Nikki) Le, MD
  - Assistant Professor of Surgery
  - Department of Surgery, Division of Urology

- Richard A. Leder, MD
  - Associate Professor of Radiology
  - Clinical Associate in Surgery
  - Department of Radiology, Division of Abdominal Imaging

- W. Robert Lee, MD, MEd, MS
  - Professor of Radiation Oncology
  - Associate Professor of Surgery
  - Department of Radiation Oncology
  - Member of the Duke Cancer Institute

- Aaron C. Lentz, MD
  - Assistant Professor of Surgery
  - Department of Surgery, Division of Urology

- Michael E. Lipkin, MD
  - Assistant Professor of Surgery
  - Department of Surgery, Division of Urology

- Judd W. Moul, MD, FACS
  - James H. Semans, MD, Professor of Surgery
  - Professor of Anesthesiology
  - Department of Surgery, Division of Urology
  - Member of the Duke Cancer Institute

- Smita Kesavan Nair, PhD
  - Associate Professor of Surgery
  - Department of Surgery, Division of Surgical Sciences
  - Member of the Duke Cancer Institute

- Steven R. Patierno, PhD
  - Deputy Director, Duke Cancer Institute
  - Professor of Medicine
  - Department of Medicine, Division of Oncology

- David F. Paulson, MD
  - Professor Emeritus of Surgery
  - Department of Surgery, Division of Urology

- Andrew C. Peterson, MD
  - Associate Professor of Surgery
  - Department of Surgery, Division of Urology

- Thomas J. Polascik, MD
  - Associate Professor of Surgery
  - Director, Society of Urologic Oncology Program
  - Director, Genitourinary Program on Focal Therapy
  - Department of Surgery, Division of Urology
  - Member of the Duke Cancer Institute

- Glenn M. Preminger, MD
  - James F. Glenn, MD, Professor of Urology
  - Chief, Division of Urologic Surgery
  - Department of Surgery, Division of Urology

- Edward N. Rampersaud Jr., MD
  - Assistant Professor of Surgery
  - Department of Surgery, Division of Urology

- Cary N. Robertson, MD
  - Associate Professor of Surgery
  - Practice Director, Duke Urology of Raleigh
  - Director, GU Surgical Oncology, Duke Raleigh Cancer Center
  - Member of the Duke Cancer Institute

- Sherry S. Ross, MD
  - Assistant Professor of Surgery
  - Assistant Professor in Pediatrics
  - Department of Surgery, Division of Urology

- Jonathan C. Routh, MD, MPH
  - Assistant Professor of Surgery
  - Assistant Professor in Pediatrics
  - Department of Surgery, Division of Urology

- Charles D. Scales Jr., MD, MSHS
  - Assistant Professor of Surgery
  - Department of Surgery, Division of Urology
  - Member in the Duke Clinical Research Institute

- Charles J. Viviano, MD, PhD
  - Assistant Professor of Surgery
  - Department of Surgery, Division of Urology

- Philip J. Walther, MD, PhD, FACS
  - Professor of Surgery
  - Associate Professor of Pathology
  - Department of Surgery, Division of Urology
  - Chief of Urology, VA Medical Center, Durham
  - Member Duke Cancer Institute
LEADING EDGE UROLOGY
46th DUKE UROLOGIC ASSEMBLY and DUKE UROLOGIC CANCER SYMPOSIUM
Thursday, April 3 – Sunday, April 6, 2014

HOTEL ACCOMMODATIONS
Duke has reserved a block of rooms. To reserve your room, please call the Pinehurst resort directly at 1-877-403-2874. At Pinehurst, you can meet all morning and still enjoy the beauty of an afternoon in the glorious Carolina sunshine, whether it’s on the course, the courts, or the bikes in the charming Village.

GOLF ACTIVITY
Featuring 8 unique golf courses, making it the largest golf resort in America, Pinehurst will be on the world’s stage as the site of the 2014 U.S. Open and Women’s Open Championships two short months after the DUA conference. Duke has secured a very limited number of golf tee times on the world famous Pinehurst Course No. 2 for Friday, April 4, 2014. Due to extremely limited availability, golf is on a first come, first serve basis. The Friday activity slots are being held for only a limited number of golfing participants until Friday, November 8, 2013. To reserve your sleeping room and tee time, please call the Pinehurst resort directly at 1-877-403-2874. You may also reserve additional rounds of golf you wish to play at the same time.

TRAVEL
Pinehurst is situated at 80 Carolina Vista Drive in the Village of Pinehurst, North Carolina. Raleigh-Durham International is the most accessible airport to the resort. Pinehurst offers special rates from RDU via their in-house transportation department. Call (910) 235-8465 for reservations, which should be made at least 48 hours in advance. Once you’re at Pinehurst, their in-house transportation team offers complimentary shuttle service within the resort property. With a US or Canadian driver’s license, you may also enjoy use of an Acura RL, TL, MDX, RDX or the new ZDX for up to 3 hours off-property as part of their complimentary Acura Guest Drive Program.

CONFERENCE REGISTRATION
$300.00 Physician Registration to Duke Urologic Cancer Symposium (one day conference) includes Syllabus, Thursday Luncheon, and Reception
$150.00 PA, NP, RN Registration to Urologic Cancer Symposium (one day conference) includes Syllabus, Thursday Luncheon, and Reception
$575.00 REGISTER BEFORE February 27, 2014 for EARLY BIRD REGISTRATION for entire Leading Edge Urology four day conference
Physician Early Registration to both Urologic Cancer Symposium and Duke Urologic Assembly (four day conference) includes Syllabus, Thursday Luncheon, Reception, three breakfasts, breaks, and Saturday Luncheon
$675.00 Physician Registration after February 27, 2014
Physician Registration to Urologic Cancer Symposium and Duke Urologic Assembly (four day conference)
$400.00 PA, NP, RN Registration to Urologic Cancer Symposium and Duke Urologic Assembly (four day conference) includes Syllabus, Thursday Luncheon, Reception, three breakfasts, breaks, and Saturday Luncheon

REGISTRATION WEBSITE

CANCELLATION POLICY
All refund requests will be subject to a $100.00 processing fee. No refunds will be issued after March 2, 2014.

Contact Information
Robin Phillips, Program Coordinator • robin.phillips@duke.edu or 919-668-3532
DUKE UROLOGIC ASSEMBLY • 2014 SYMPOSIUM

COURSE DESCRIPTION
With over eight decades of experience in caring for patients with urologic diseases, Duke’s Division of Urologic Surgery has established itself as a world leader in urologic care, research, and education. The Duke Urologic Assembly began in the 1970’s and was held annually at Pinehurst; we are excited to return to our roots at Pinehurst for the first time in decades. LEADING EDGE UROLOGY: 46th Annual Duke Urologic Assembly will evaluate the most recent advances in the diagnostic evaluations, therapeutic options, management of complications, and technologies that provide leading edge care to patients. Participants will be engaged through moderated discussions and interactive lectures on the latest evidence-based approaches to managing a wide range of urologic conditions across the spectrum of life.

In partnership with our colleagues in the Duke Cancer Institute we will designate Thursday of the DUA for the DUKE UROLOGIC CANCER SYMPOSIUM; a full day CME event featuring lectures by Duke and guest Medical Oncologists, Radiation Oncologists, and Urologists speaking on the latest diagnostic, medical, and surgical aspects of urologic cancer management. There will be separate as well as combined registration for the Cancer Symposium with the DUA.

STATEMENT OF NEED
Improvements in the treatment of urologic conditions generate a great need for knowledge and up-to-date information for providers and health care professionals. An outstanding roster of speakers in a comprehensive, scientific program encompassing the sub-specialties of urology, as well as medical and radiation oncologists treating urologic malignancies has been assembled. This conference is an integral part of continuing education for health care professionals nationwide.

TARGET AUDIENCE
Addressing current issues and technologies in the practice of Urology, this conference will enhance knowledge in treating urologic conditions and help improve patient care by Urologists; Medical Oncologists; Radiation Oncologists; Internal, Family and Geriatric Medical Practitioners; Physician Assistants; Radiation Technicians; Nurse Practitioners; Nurses; Residents; and other Allied Health Medical Staff.

LEARNING OBJECTIVES
• Evaluate and outline management options for the patient with various urologic conditions
• Review the latest advances in the treatment of advanced prostate cancer
• Identify latest updates in management of bladder cancer, upper tract urothelial cancer, renal cell carcinoma, and adrenal disorders
• Extend improved patient counseling and generate patient satisfaction regarding therapy choice
• Examine concepts of the medical management of nephrolithiasis, as well as surgical therapy of both renal and ureteral calculi

ACCREDITATION
The Duke University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION
The Duke University School of Medicine designates this live activity for a maximum of 20 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.