

Year ⁱⁿ Review 2019



Jefferson

OR Sign In / Time Out / Debrief

Sign In / Pre-Op

- ID (name / DOB / Sex) / Initials
- Patient information reviewed
- Consent (Procedure / Site / Side)
- Site marked
- Allergies
- Weight / Table / Position

Anesthesia review

- ASA PS
- Meds / ABX / BSA / Beta blocker
- Blood products available

Circulator review

- Equipment and implants
- Existing metal implants
- Removable items
- DRT history / NPO
- Location of family
- Consents & needs

Move PT to OR Table
(Apply warmer/SCD)

Time Out / Pre-Op

By Surgeon (According to Facility, Not by Anesthesiologist)

Introduction

- Patient name / Date of birth

Surgeon review

- Incision/Incision/Incision marking
- Imaging
- Critical anatomy / structures
- Expected duration / blood loss
- Post-op instructions

Anesthesia review

- Allergies / LATES in use?
- Antibiotics / other meds
- Blood availability
- Patient specific concerns
- Surgeon / Anesthesia / Circulator / Facility review
- Equipment / implants / wires
- Medications

Surgeon / Anesthesia / Circulator / Facility review

- Everyone has your attention



DEPARTMENT OF UROLOGY



Year ⁱⁿ 2019 Review

Department of Urology

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Founded in 1904, Jefferson's
Department of Urology is the
oldest Department in the United
States and has always been at the
forefront of the field. Our
Department's research, teaching
and patient care activities are
something we are very proud of.

This Year in Review
magazine highlights the
tremendous regional, national
and international impact of our
Department. Many of our
programs are only possible
through philanthropic support of
our mission. Numerous
philanthropic opportunities exist
to help our department expand
these programs from supporting
research projects and medical
student opportunities through
endowed professorships.



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Chairman's Letter

Dear Friends,

Welcome to our first ever Jefferson Department of Urology *Year in Review* magazine. The past year, 2019, was a busy time with many support staff changes, faculty recruitments and expansion of our department's activities leaving little time to produce our regular Jefferson Urology newsletters. This year in review format provides a comprehensive annual report covering our academic, research and clinical accomplishments to be read by our professional colleagues, alumni, friends and donors to our Department.

The Department of Urology completed another successful year on many different fronts. We welcomed three new faculty members: urologists Drs. Joe Izes and Thenu Chandrasekar and our new basic scientist, Dr. Matt Schiewer. These new faculty members will be critical in support of our Jefferson Health regional clinical expansion and allow us to reinvigorate our Departmental basic science laboratory research programs.

Our first-annual Jefferson Urology Alumni Award was bestowed on our former resident, Dr. Steve Strup, now Chair of Urology at the University of Kentucky in Lexington (my medical school and residency training program). Our innovative Jefferson Urology Scholar program has started its third year and now supports two students annually. In collaboration with the Sidney Kimmel Cancer Center, the Department of Urology co-sponsored the 2019 International Prostate Cancer Consensus Conference, the second such meeting addressing ongoing issues with genetic testing for prostate cancer. This year, our keynote speaker was Philadelphia native, "Mr. October" Reggie Jackson. Our Department held three different Visiting Professorships in 2019 plus a duPont Pediatric Visiting professor with several new professorships planned for the coming year.

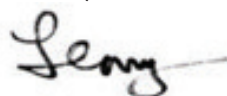
On the international scene, we hosted visitors and speakers from around the world and had both urology faculty and our residents engaged in many different international activities. Faculty and residents participated in medical outreach missions to Rwanda, Nigeria, and Peru. Working with Dr. Richard Derman, Jefferson's Associate Provost for Global Affairs, we continue our high-level engagement with KLE Medical School in Belgaum, India, and hosted two medical students in a formal urology rotation. Our involvement with India goes beyond education as we have established a joint research program at KLE with Dr. Mathew Thakur and I to expand our work in the VPAC-based cancer detection program, which is led locally in India by Dr. R.B. Nerli, Director KLES Kidney Foundation, and Dr. Prabhakar Kore Hospital in Belgaum.

Our faculty remained committed to our SKMC students' education and their success in achieving highly competitive urology residency programs. Urology faculty mentorship through the student Jefferson Urology Society resulted in SKMC having, once again, one of the highest numbers of senior students matching in Urology in the United States. Urology has had a prominent role in the new SKMC Jeff MD curriculum. The commitment to education extends to supporting our postgraduate trainees in our residency program with this year's graduating class of Chief Residents continuing their training at highly regarded fellowship programs, such as the University of Southern California in Los Angeles and Indiana University.

As the Jefferson Health enterprise expands throughout the region, so do our practice locations and offerings. Our Mens Health Program at the Navy Yard has moved into beautiful new dedicated facilities. We now provide care five days a week at the Asplundh SKCC Cancer Pavilion in Abington. Our Jefferson New Jersey urology care now includes expanded services at Cherry Hill Hospital in addition to our office in Burlington. With my formal appointment as Urology Service Line Clinical Leader for Jefferson Health, the opportunities for urology integration across all soon-to-be 20 Jefferson Health hospitals in our region are tremendous.

Founded in 1904, ours is the oldest Department of Urology in the United States and has always been at the forefront of the field. The department includes internationally recognized experts in all major fields of urology, including genitourinary oncology, endourology, laparoscopy, robotic surgery, male infertility, female urology, neurourology, and a group of outstanding general urologists. There is much more to share with you about Jefferson's Department of Urology. Please take a moment to read our *Year in Review* and discover what we have accomplished over the last 12 months and learn more about the tremendous growth opportunities for our team in areas of research, teaching and patient care. Please contact me if you would like any additional details about our Department. My email is leonard.gomella@jefferson.edu.

Sincerely,



Leonard G. Gomella, MD, FACS
The Bernard W. Godwin Professor of Prostate Cancer
Chairman, Department of Urology
Senior Director Clinical Affairs, Sidney Kimmel Cancer Center
Jefferson Health Enterprise Urology Service Line Clinical Leader



Sidney Kimmel Cancer Center and
the Department of Urology Host

2019 Philadelphia Prostate Cancer Consensus Conference



Dr. Arthur "Bud" Burnett, Professor of Urology at Johns Hopkins, stressing a point during the discussion session.



Drs. Veda Giri, Mark Tykocinski, Karen Knudsen and Leonard Gomella at the start of the 2019 Consensus.



Dr. Tykocinski welcoming the 2019 consensus participants.

An international panel of experts gathered to identify the best approaches to implement genetic testing for men with prostate cancer.

Genetic testing for prostate cancer has rapidly expanded. Many thousands of men are now eligible for genetic testing to inform targeted therapy in the metastatic setting and management in the early-stage setting. This growth of genetic testing has outpaced the availability of genetic counseling, which is crucial for individuals to make an informed decision for genetic testing. Therefore, providers not formally trained in genetic counseling, such as oncologists and urologists, are increasingly ordering genetic testing for their patients with prostate cancer, necessitating guidance of how to perform responsible genetic testing. Furthermore, as guidelines have expanded for prostate cancer genetic testing, there is a need to streamline recommendations for testing.

To address these issues, Sidney Kimmel Cancer Center (SKCC) and the Department of Urology at Thomas Jefferson University hosted the second international consensus conference on October 4, 5, 2019, titled "Implementation of

Genetic Testing for Inherited Prostate Cancer: Philadelphia Prostate Cancer Consensus Conference 2019." The consensus conference, co-chaired by Veda N. Giri, MD, Karen E. Knudsen MBA, PhD, and Leonard G. Gomella, MD, from Jefferson, was an invitation-only, international scientific meeting brought together approximately 90 experts, organization leaders, and patient advocates from around the globe to address key gaps in implementation of genetic testing for prostate cancer, including: (1) Which men should be considered for prostate cancer genetic testing? (2) What are optimal ways to deliver genetic counseling? (3) Which genes should be prioritized for testing? (4) What prostate cancer-specific recommendations should be considered based on genetic results? and (5) What is the impact of genetic testing in families? The group was welcomed by Dr. Mark L. Tykocinski, Provost and Executive Vice President for Academic Affairs, and The Anthony F. and Gertrude M. DePalma Dean Sidney Kimmel Medical College. Baseball Hall of Famer

This invitation-only international scientific meeting brought together approximately 90 experts, organization leaders, and patient advocates from around the globe to address key gaps in implementation of genetic testing for prostate cancer.

and Philly native "Mr. October" Reggie Jackson delivered the keynote address. He expressed his appreciation for the care given to his brother, Clarence "Joe" Jackson, by the SKCC GU Multidisciplinary team.

"As we continue to learn more about the genetics of prostate cancer, and how genetic results may inform how we screen, diagnose and treat the disease, genetic testing has expanded



Dr. Karen Knudsen with Reggie Jackson and NCI colleagues Drs. Peter Pinto and Bill Dahut.



Reggie Jackson and his brother, Clarence "Joe" Jackson, being introduced by Dr. Gomella.

Collaborative genetic evaluation strategies were also endorsed to help urologists and oncologists perform genetic testing in collaboration with genetic specialists.

to include a larger subset of men with prostate cancer,” said Veda Giri, MD, Co-chair of the Philadelphia Prostate Cancer Consensus and Director of the Jefferson Clinical Cancer Genetics Service and the Men’s Genetic Risk Clinic at SKCC. “It is important for providers, who have begun performing genetic testing, to be aware of best practice recommendations to talk to their patients, so that they can make an informed decision before testing and what to discuss with them when the test results return. Therefore, this consensus conference on implementation of genetic testing is critical at this time.”

This 2019 consensus is a follow-up meeting to the inaugural Philadelphia Prostate Cancer

Consensus held in 2017, which SKCC and the Department of Urology convened the first gathering of multidisciplinary experts to address a genetic evaluation framework for inherited prostate cancer as the understanding of the genetics of inherited prostate cancer grows and the increasing availability of multigene panels for genes known to contribute to an increase risk of prostate and other cancers. The 2017 conference resulted in the first comprehensive set of recommendations to guide physicians about when to offer men genetic consultation for prostate cancer risk and were published in the *Journal of Clinical Oncology* (J Clin Oncol. 2018 Feb 1;36(4):414-424). The article offered major recommendations on the evolving role of prostate cancer genetic testing, which have been embraced by many medical organizations both nationally and internationally.

“Genetic testing for men with prostate cancer has become increasingly common,” said Leonard G. Gomella, MD, Co-chair of the Philadelphia Prostate Cancer Consensus; Bernard W. Godwin Professor of Prostate

Cancer; Chair, Department of Urology; and Senior Director, Clinical Affairs at SKCC. “Our 2019 consensus group will help define the best approach to using these tests.”

Relevant key findings from the 2019 consensus include strong endorsement to test BRCA2 for all men with metastatic disease to inform precision therapy, men with early-stage disease to inform active surveillance discussions, and unaffected men with family cancer history to inform prostate cancer screening. These results have strong implications for families regarding cancer genetic testing, cancer screening, and management. Multiple additional genes were recommended for testing to inform precision therapy. Collaborative genetic evaluation strategies were also endorsed to help urologists and oncologists perform genetic testing in collaboration with genetic specialists. The complete results are forthcoming in a planned publication and will forge novel guidance in prostate cancer genetic testing guidelines and practice to enhance access to genetic testing and research directions for the benefit of men with prostate cancer and their families.



Dr. Giri, Consensus Co-chair, summarized the findings of the 2017 Philadelphia Prostate Cancer Consensus for the group.



GU MDC team members Drs. Ryan Mark, Bobby Den, Thenu Chandrasekar and Patrick Mille were among the conference participants.



2019 Philadelphia International Prostate Cancer Consensus meeting participants.



Reggie Jackson, keynote speaker, thanked the consensus participants for their work in the area of prostate cancer research and extended special gratitude to the SKCC GU MDC team who cared for his brother, Joe Jackson.



Sponsors of the 2019 Philadelphia Prostate Cancer Consensus Meeting

Welcome

Dr. Joseph K. Izes



Dr. Joseph K. Izes
Assistant Professor,
Department of Urology

Dr. Joseph K. Izes joined the Department of Urology as Assistant Professor this year. Following medical school at Jefferson, now Sidney Kimmel Medical College, he completed an internship in Internal Medicine at Jefferson and then general surgical training at the New England Deaconess Hospital where he was a Clinical fellow in Surgery at the Harvard Medical School. He then completed Urology residency and served as the Mellon Fellow in Urologic Oncology at the Lahey Clinic.

Dr. Izes was an attending Surgeon at Abington Hospital for more than 20 years where he founded and ran the Prostate Evaluation Program, a multidisciplinary clinic for evaluation of urologic malignancies working

with Temple Urology residents and students. He was instrumental in the initiation of the Robotic Surgery programs at Abington and Doylestown Hospitals. Recognized as a "Top Doctor" by *Philadelphia* and *Suburban Life* magazines, he decided to move back to full-time academic medicine. His interests include Urologic oncology with a strong background in general urology. His current research interests are in molecular markers for urologic cancers.

He and his wife are the proud parents of five children, who have kept them more than entertained and who are pursuing a wide array of non-medical professional interests. His interests include music and cross-country skiing.

Dr. Thenappan Chandrasekar



Dr. Thenappan Chandrasekar
Assistant Professor
Department of Urology

Dr. Thenappan (Thenu) Chandrasekar joined the Department as an Assistant in July, 2019. He completed his medical degree magna cum laude at Jefferson Medical College, and his urology residency at the University of California, Davis Medical Center in Sacramento, California under the guidance of well-known urologic oncologist Dr. Chris Evans. This was followed by a two-year Society of Urologic Oncology (SUO) urologic oncology fellowship at the University of Toronto in Ontario, Canada, and one-year Endourology Society Robotics fellowship at Thomas Jefferson University.

Dr. Chandrasekar is a well-trained urologic oncologist, proficient in both open and minimally invasive techniques, whose practice is split

between our Center City campus and Abington. He has been the primary faculty member and Sidney Kimmel Cancer Center representative at the Asplundh Cancer Pavilion where he serves as the Director of Abington Jefferson Urology. Dr. Chandrasekar has continued to be very active in the research realm having just received a \$100,000 Philadelphia Prostate Cancer BIOME Project grant. Thenu has published more than 60 peer-reviewed manuscripts, five book chapters and continues to be an active reviewer for most major Urology journals.

Dr. Chandrasekar and his wife, Dr. Ambika Chidambaram, a pediatric pulmonology fellow at the Children's Hospital of Philadelphia, are excited to be back in Philadelphia and are enjoying their time in the city.

Dr. Matthew Schiewer



Matthew Schiewer, PhD
Assistant Professor
Departments of Urology and
Cancer Biology

Dr. Matthew Schiewer (PhD) joined the Department of Urology on November 1, 2019. Matt's appointment is as Assistant Professor in the Department of Urology with a joint appointment in Cancer Biology. Matt received his undergraduate degree (BS in Biology) from Marian University in Indiana. He completed his doctoral thesis work in Dr. Karen Knudsen's laboratory at the Sidney Kimmel Cancer Center of Thomas Jefferson University, receiving his PhD in Genetics in 2013. Postdoctoral research was carried out in Dr. Knudsen's laboratory, and since 2017 has been non-tenure track faculty in the Department of Cancer Biology. His pre-doctoral studies were funded by the Department of Defense, and his postdoctoral work supported by a Young Investigator Award from the Prostate Cancer Foundation. Currently, Matt serves as a co-Investigator on a Prostate Cancer Foundation Challenge Award, and Principle Investigator on both an ACS-IRG and a Philadelphia Prostate Cancer Biome Project Pilot Award.

Research in the Schiewer Laboratory will be focused on prostate and bladder cancers, specifically investigating pathways that lead to disease progression that may be therapeutically targeted. With a long-standing interest in transcriptional regulation—especially via nuclear hormone receptors, cell cycle control, and DNA repair mechanisms—this is a good match for our Departmental translational cancer research initiatives. His highly cited research has uncovered mechanisms by which these pathways functionally interact

and hold relevance for human disease.

Dr. Schiewer has authored or co-authored more than 30 publications in peer reviewed journals and serves as a reviewer for eight journals. Grant reviewer activities have included service with the Prostate Cancer Foundation Young Investigator Awards since 2014 and the Prostate Cancer Foundation Challenge Awards since 2015. He will participate as an instructor in the Jefferson College of Biomedical Sciences, as well as a member of the Genetics, Genomics, and Cancer Biology PhD program.

Dr. Schiewer has a passion for good science and for being both a collaborative colleague and mentor to future scientists and clinicians. Several members of our Department have already collaborated with him on translational research projects and grants. He looks forward to developing his independent research program and furthering collaborative efforts to reduce death and suffering from GU malignancies. As an integral member of the SKCC Prostate Cancer Working Group, his research will engage other disciplines in the SKCC.

The Department of Urology is pleased to acknowledge the support and encouragement of the Sidney Kimmel Cancer Center executive committee to re-establish a basic science lab in the Department of Urology. The Schiewer Urology Laboratory is located in 804 Bleumle Life Science Building and the phone number is 215-503-5742.

Inaugural Jefferson Urology Alumni Award

This past year, the Department of Urology presented our first annual Jefferson Urology Alumni Award. The award was established to recognize a Jeffersonian who has gone on to significant achievement in the field of urology specifically or medicine in general. The awardee can be a previous SKMC student, resident or fellow. Our inaugural Jefferson Urology Alumni Award recipient was 1994 Jefferson Urology Residency Graduate Dr. Stephen Strup.

Dr. Strup is the James F. Glenn Professor and Chairman of Urology at the University of Kentucky in

Lexington. Dr. Strup received his medical degree from the University of Indiana in 1988. He completed his residency in Urology in 1994 at Thomas Jefferson University in Philadelphia and Urologic Oncology fellowship in 1996 at the National Cancer Institute in Bethesda, Maryland. Dr. Strup returned to Thomas Jefferson University where he was one of the early adopters of the hand-assisted laparoscopic nephrectomy and laparoscopic radical prostatectomy techniques. In 2003, Dr. Strup moved to the University of Kentucky in Lexington, KY, where he was appointed the Director of



Dr. Stephen Strup, 1994 residency graduate now Chair of Urology at the University of Kentucky in Lexington.



Minimally Invasive Urologic Surgery and, in 2006, residency program director. Dr. Strup was named the James F. Glenn Chief of Urology in 2007 and the Inaugural Chairman of the Department of Urology in 2014. At the University of Kentucky, Dr. Strup has served in many roles and committees including, President of the Medical Staff, KMSF (Physician foundation) executive committee, and Executive Finance Committee. Dr. Strup is active in the AUA, Southeast Section AUA, Society of Urologic Oncology, and Society of Pelvic Surgeons. Dr. Strup remains clinically active in the areas of Urologic Oncology, minimally invasive and robotic urologic oncologic surgery. In addition to the commemorative plaque, the recipient receives a paid trip to Philadelphia to participate in the annual DMDavis Visiting Professorship and Graduation Banquet. Nominations for this alumni Award should be sent to Dr. Paul Chung Director of Alumni Relations (Paul.Chung@jefferson.edu) by March 1, 2020.

Dr. Gomella presenting Dr. Strup with his Jefferson Urology Alumni Award during a ceremony on June 7, 2019.

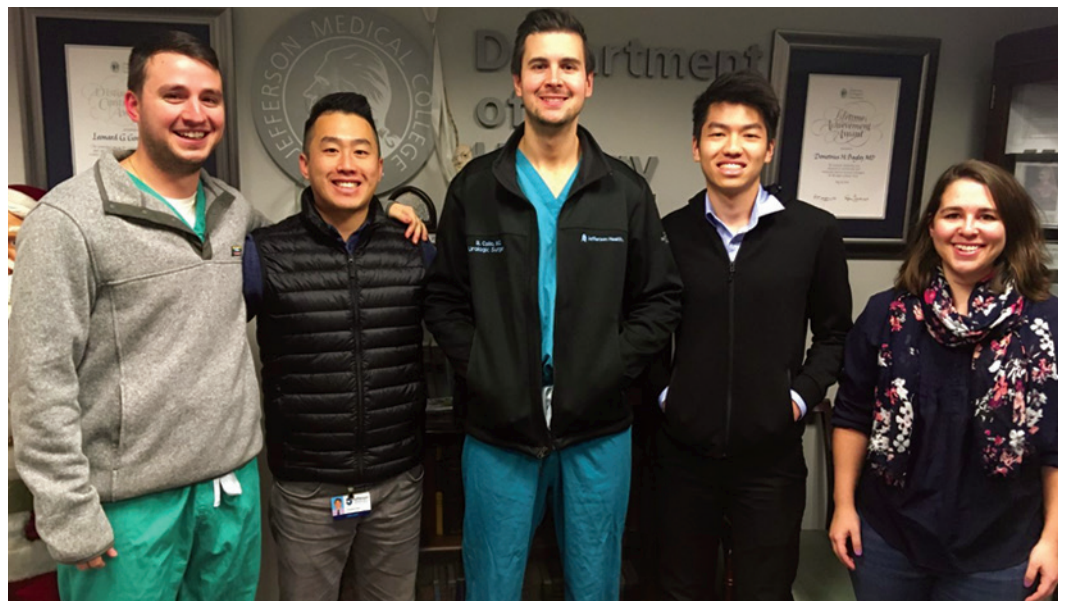
Jefferson Urology Scholar Program Begins 3rd Year

While many urology students are engaged in short-term clinical research during medical school, full immersion in departmental research practice is uncommon. In today's competitive environment, research involvement prior to graduation is critical in propelling future academic researchers' career trajectories. The Jefferson Urology Research Scholar was established in 2017 as funded positions that prepare medical students for a urology residency and career as a physician/scientist. Intended as a gap year before Year 4, the one-year, full-time program provides students with opportunities to work alongside leaders in the field, garnering invaluable insight while obtaining a career-changing experience. This unique, highly competitive opportunity has been made possible through industry philanthropic support (such as from Bard/Becton Dickinson), which compliments existing institutional and departmental commitments. Jefferson is uniquely poised to make the most of private-sector investments, quickly transforming these partnerships into tangible medical successes. With nearly 5,000 unique patients served and more than 8,000 procedures conducted annually, the Jefferson Urology Department's clinical volumes outpace those of many other institutions.

Jefferson urologists have a long history of moving the field forward through contributions, such as inventing the first uroflowmeter, pioneering the use of laparoscopy and minimally invasive surgery in urologic practice, performing the first research in detecting circulating micrometastasis in prostate cancer using molecular techniques, establishing multidisciplinary clinics to care for GU malignancies and performing the first adult bladder augmentations in the world using bladder tissue engineering.



2018-2019 Jefferson Urology Scholars Seth Teplisky and JY (Joonyau) Leong, both SKMC students, receive their recognition plaques from Dr. Costas Lallas, Jefferson Urology Scholar Program Director and Urology Chair Dr. Leonard Gomella.



First group of Jefferson Urology Research Scholars: Seth Teplisky, Tim Han, Dr. Brian Calio, JY Leong and Lydia Glick.

Former Jefferson Research Scholars from 2017-18 and 2018-19 have succeeded in their ultimate objective to catalyze academic urology with these first three Jefferson Urology Scholars have submitted and published more than 30 articles and presented at more than 40 meetings. Dr. Brian Calio (SKMC 2019), our first scholar, is currently an intern in the Department of Urology at Jefferson. Seth Teplisky and JY (Joonyau) Leong (both SKMC 2020) completed their program in 2019 and are currently applying for urology residency

programs. Our current Scholars are Lydia Glick (SKMC 2020) and Tim Han from Chicago Medical School Rosalind Franklin University of Medicine and Science Class of 2020. According to Dr. Costas Lallas, program director, "Our Jefferson Urology Research Scholar Program has received national recognition with the number applicants from both SKMC and beyond increasing dramatically. We look forward to continuing the current program design with the possibility of expanding the program through increased philanthropic support."

THE PHILADELPHIA PROSTATE CANCER BIOME PROJECT



Introduction to the Biome Project

Time and again in the fight against prostate cancer, research has proven to be the most powerful tool in our arsenal. Statistics show the progress. From 1993 to 2015, as national funding for cancer research increased, prostate cancer deaths decreased by 52 percent. Between 2007 and 2014, the incidence of prostate cancer declined by an average of 6.5 percent every year.

At Jefferson, we have long believed in the power of research. Our nationally recognized prostate cancer program is backed by a history of firsts: the first and longest running multidisciplinary clinic at an NCI-designated cancer center, the first to publish empirical evidence of this care model's positive impact on patient outcomes, and the first to detect circulating prostate cancer cells using RT-PCR technology, which has since become a staple of prostate cancer research. Our renowned faculty literally wrote the book on prostate cancer, and they continue to transform the medical literature through next-generation patient care and path-breaking science.

Philadelphia and its surrounding counties hold the unenviable distinction of having one of the highest prostate cancer mortality rates in the nation (32.1/100,000 versus a national average of 20.7/100,000). The region is also home to a population highly diversified in age, race, and ethnicity—all of which are key risk factors for prostate cancer.

As a result of these distinctions, Philadelphia is the ideal setting to study the natural history of the prostate cancer "biome," a delicate ecosystem influenced by a complex array of physical, environmental, socioeconomic, and psychosocial factors. Researchers are just beginning to scratch the surface on the impact that these factors have on disease incidence, progression, and patient outcomes. But many mysteries remain. Such is the driving force behind our new Philadelphia

Prostate Cancer Biome Project—one of the biggest and boldest research programs of its kind. The wealth of patient data garnered from this program will provide insights previously unattainable. The result: better prevention, diagnosis, and treatment strategies for prostate cancer patients at Sidney Kimmel Cancer Center (SKCC) and far beyond. The SKCC is home to visionary physicians and scientists who are dogged in their pursuit of pilot research that has the potential to fundamentally transform our understanding and treatment of prostate cancer. Too often, however, these proof-of-concept studies go unfunded through traditional government and industry sources.

The Philadelphia Prostate Cancer Biome Project will change that dynamic. Established in 2018

through the generosity of a major philanthropic donor, it will serve as an invaluable source of support for the most promising and innovative research projects performed by Jefferson investigators

and other collaborators. Projects will be funded based upon the peer review of both internal and external experts from other regional and nationally recognized cancer research centers. Final review and approval will be through a dedicated steering committee. Pilot grants are a crucial component of a research program and have the ability to quickly fund novel ideas and concepts; fund early investigators in their careers to support further larger funding opportunities and attracting "non-prostate" cancer researchers to the

prostate cancer field to accelerate discovery. The program also included support for population health data management and the expansion of biorepository resources to further support translational research. This investment in pilot research will provide the support necessary to increase the number of high-impact studies performed at Jefferson, boost research collaborations between SKCC and other institutions, and attract vital research grants from government, foundation, and industry sources.

The Philadelphia Prostate Cancer Biome Project was conceived in collaboration with other clinical, basic and population-based scientists around the country. The Biome Project was finalized through the vision and leadership of Dr. Kevin Kelly working closely with Drs. Gomella,

A number of promising pilot grants have already been funded in 2019 validating the proof of principle of this innovative program and are presented here:

- Non-invasive Urine-based Genomic Assay to Detect Prostate Cancer: A validation study
- Digital health coaching intervention in men with prostate cancer
- Investigation Chromosomal Instability Adaptation Mechanisms as a Targetable Axis in Advanced Prostate Cancer
- Elucidating the role of the microphthalmia transcription factor (MITF) in prostate cancer
- Do subpopulations of osteoblasts regulate prostate cancer progression to metastasis?
- PARP-1 and -2 Function in Advanced Prostate Cancer

Dicker and Knudsen, completing the key elements of clinical and translational research. It would have been impossible without significant philanthropic support. We look forward to expanding that support in the future.

If you would like additional information on the Biome project contact: Shannon Fields, Philadelphia Prostate Cancer Biome Project Coordinator 215-955-8875 (shannon.x.fields@jefferson.edu).

Exploring the Role of VPAC in Urologic Malignancies

The Department of Urology and other members of the Sidney Kimmel Cancer Center Prostate Cancer Working Group are collaborating with the laboratory of Dr. Mathew Thakur to study the use of VPAC receptors in the diagnosis and treatment of common diseases such as prostate and bladder cancer. This technology has been patented by Jefferson. This brief review is courtesy of Dr. Thakur, Professor of Radiology, Radiation Oncology and Urology.

In the western world, urologic malignancies, such as prostate and bladder cancers, are very common. The genomic and molecular heterogeneity, together with the variations in their physical and histologic presentations, make the early diagnosis of urologic malignancies challenging.

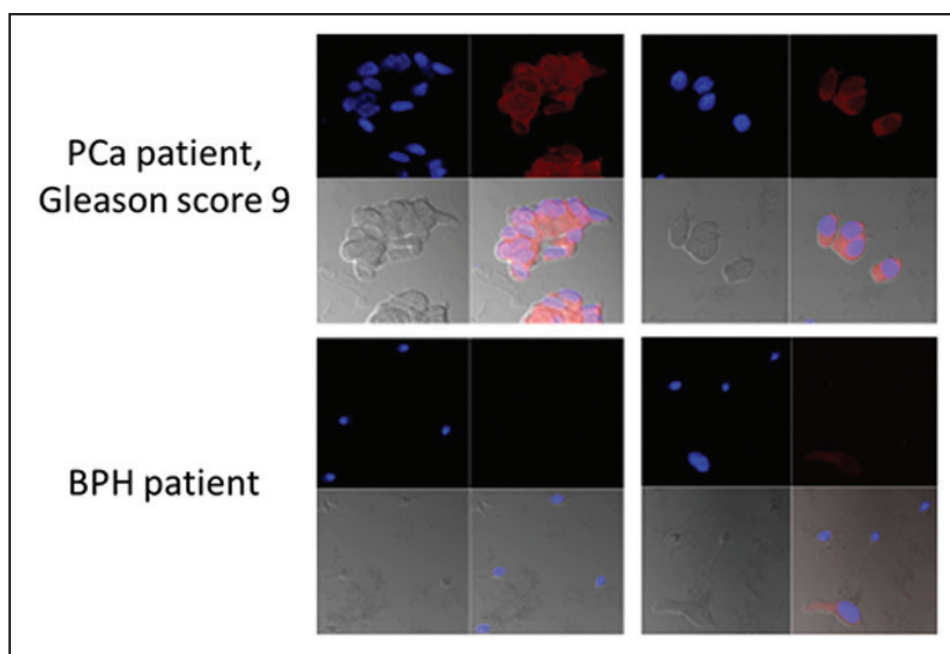
Most commonly expressed in high density on the surface of the urologic malignant cells are the VPAC, combined for vasoactive intestinal peptide (VIP) and pituitary adenylate cyclase activating peptide (PACAP), receptors that encode G protein and recognize both VIP and PACAP related peptides. Targeting VPAC receptors, expressed in high density (10^4 /cell) on malignant cells but not on healthy cells, for early and accurate diagnosis by scintigraphic PET (positron emission tomography) or optical microscopic imaging can contribute the management of urologic diseases.

Designed, synthesized and evaluated in our laboratory is a small peptide molecule, named TP3805, that has a high (1.3×10^{-9} M) affinity for VPAC receptors. Labeled with ^{64}Cu , TP3805, allowed us to PET image, with high sensitivity, cancers of

the breast, prostate, and bladder in humans.

Each gram of tumor constantly sheds approximately 0.4% of the malignant cells every 24 hours. In case of prostate cancer, a part of these shed cells pass into urine through prostatic ducts. We have collected these cells from voided urine of prostate cancer patients on glass slides and shown that these cells too can be identified with high sensitivity with a fluorescent microscope when the VPAC receptors expressed on the malignant PC cells, are stained with the same peptide but now labeled with a near infra-red fluorophore. No malignant cells are detectable in the urine of patients with benign prostate hyperplasia. This simple and noninvasive assay provides a promising test for early detection of prostate cancer. More studies are in progress to further assess the role of VPAC in the management of urologic malignancies.

For more information, see Trabulsi EJ, Tripathi SK, Gomella L, Solomides C, Wickstrom E, Thakur ML. Development of a voided urine assay for detecting prostate cancer non-invasively: a pilot study. *BJU Int.* 2017 Jun; 119(6):885-895)





Members of the Jefferson Health - Navy Yard. From left to right: Paul H. Chung, MD (Urology and Men's Health Program Co-Director) · Eric J. Shiffrin, MD (Endocrinology) · Jeremy D. Close, MD (Family/Sports Medicine) · David M. Shipon, MD (Cardiology) · Perry R. Weiner, DO (Director, Urology) · Dimitri Markov, MD (Sleep Medicine) · Howard M. Rosner, DO (Cardiology) · Steven Kernis (Cardiology) · Karl Doghramji, MD (Sleep Medicine) · Irvin H. Hirsch, MD (Urology and Men's Health Program Co-Director).

Regional Urology Programs

Men's Health Program at Jefferson Health — Navy Yard

The Men's Health Program at Jefferson Health — Navy Yard, a multidisciplinary approach to male health care, is located primarily at the Navy Yard campus. With five specialties groups available to patients all located within one building, the program allows men of the Philadelphia area to obtain comprehensive preventative health care conveniently at one of the region's top healthcare systems. Under the leadership of Dr. Perry Weiner, patients have the opportunity to be evaluated by urology and be referred to cardiology, endocrinology, sleep medicine, sports medicine and primary care. While the program acts primarily as a clinical center for health, it is also reaching the community through educational events. Program doctors have been key speakers at several community health seminars, including a Men's Health Summit with the Philadelphia Corporation for

Aging. Being an active presence in the community has, in turn, generated new patient referrals to the program.

In fiscal year 2019, more than 360 new patients were enrolled into the Men's Health Program by seeing one of the specialties for a male-specific related issue. Numbers continue to climb as more than 200 new patients have been enrolled into the program since the beginning of fiscal year 2020 began on July 1.

With efforts to support the success of the Men's Health Program, the Jefferson University Hospital's Methodist Hospital Foundation has chosen the Men's Health Program as its 2020 Annual Fashion Show beneficiary. Being held in the Urban Outfitters Building 543 in spring 2020, participation from employees, benefactors and patients will help to generate both philanthropic and clinical referrals to the Men's Health Program.

In attempts to reach out to the larger community, Dr. Weiner was featured on Jefferson Health's Instagram page for their "Let's Talk Tuesdays" feature. In these short video clips posted to social media, Dr. Weiner was able to present facts and tips on testicular and prostate cancer screenings and the age they should begin for in honor of "Movember," an awareness month that focuses on men's health. The men's health feature was the top grossing Instagram story of the week with more than 600 views.

These larger efforts, combined with smaller, behind-the-scenes strategies, are striving to help create the Men's Health Program at Jefferson Health Jefferson Health — Navy Yard to be an atmosphere where men seek preventative and comprehensive health care more openly and confidently.



Urology Expands to Five Days a Week Coverage at Asplundh Cancer Pavilion

In August 2019, the Department of Urology expanded coverage to five days a week for consultation and outpatient care at the Asplundh Cancer Pavilion. The Sidney Kimmel Cancer Center GU Multidisciplinary

model is being expanded to serve patients at this beautiful, patient-centered state of the art facility. In spring 2020, an additional urology outpatient office will open in the Price Building on the main Abington Campus.

Drs. Chandrasekar, Mann, Trabulsi and Lallas provide Jefferson Urology care at these locations. To schedule a consultation at Asplundh, call 215-481-4668.

Jefferson Health in New Jersey

Jefferson Urology expanded our practice in Cherry Hill, New Jersey, at 457 Haddonfield Road, Suite 110. Our primary physicians at that location, Drs. Paul Chung and Ryan Mark, treat patients in the office two days per week and perform surgery one day per week at Jefferson Cherry Hill Hospital. Our office in Burlington, New Jersey, office continues to thrive under the leadership of Dr. Jeanne Llenado.

Drs. Ryan Mark and Paul Chung have started operating at the Jefferson Cherry Hill Hospital. Dr. James Ryan Mark is our Sidney Kimmel Cancer Center designated urological oncological surgeon, and Dr. Paul Chung is co-Director of our Men's Health program and specializes in GU reconstructive surgery. In addition

to a dedicated O.R. block schedule at the Cherry Hill Hospital, both of our surgeons have office hours at Jefferson Cherry Hill Primary and Specialty Care building located at 457 Haddonfield Road Suite 110, Cherry Hill.

Our new Jefferson Health in New Jersey is not so new anymore. Jefferson Urology at Burlington is now in its third year of operations. Dr. Jeanne Llenado is our primary provider for general urology services. Burlington, New Jersey, is located 20 miles northeast from our Jefferson Center City Philadelphia facility. The presence of Jefferson Urology along with Jefferson's Burlington Primary Care practice in this region continues to strengthen Jefferson's mission of serving the South Jersey community

with quality health care and putting patient and family first.

The expansion into New Jersey continues Jefferson Health's goal to establish an integrated system of regionally based Jefferson Urology providers, who provide Jefferson patients with easy access to general urology, oncologic urology and other urology specialty care services locally while still having access to highly trained urologic specialists at our Center City campus for complicated care. Our Jefferson Urologists work collaboratively with Jefferson Primary Care Physicians to assure that all their patient urologic care needs are met. The implementation of the new EPIC EHR further solidifies the collaborative care.



Jefferson Urology Office Locations

Asplundh

Cancer Pavilion

3941 Commerce Ave.
Willow Grove, PA 19090
215-481-4668
215-481-3200

Bodine Center for Cancer Treatment

111 South 11th Street
Philadelphia, PA 19107
215-955-6700
Fax: 215-955-0412

Burlington

811 Sunset Rd., Suite 104
Burlington, NJ 08016
609-239-8690/8692
Fax: 609-239-8696

Center City

833 Chestnut St., #703
Philadelphia, PA 19107
215-955-1000
Fax: 215-503-2066

Cherry Hill

457 Haddonfield Rd., Suite 110
Cherry Hill, NJ 08002
844-542-2273
Fax: 856-406-4570

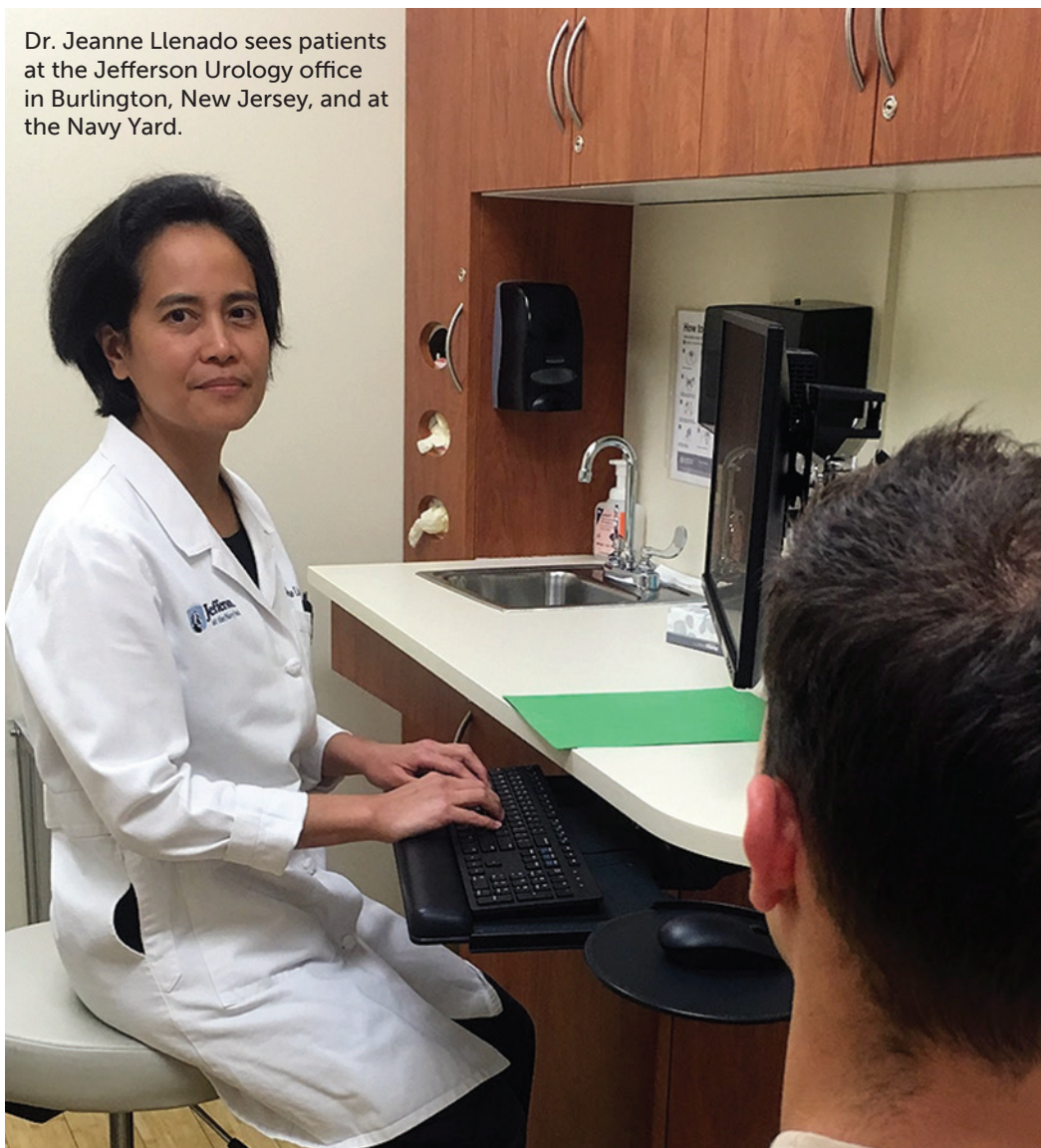
Men's Health at the Navy Yard

3 Crescent Drive, 2nd Floor
Philadelphia, PA 19112
215 890-1090
Fax: 215-503-3190
Program Coordinator:
215- 503-7240

Navy Yard Urology

3 Crescent Dr., 2nd Floor
Phila., PA 19112
215-503-3300
Fax: 215-503-3321

Dr. Jeanne Llenado sees patients at the Jefferson Urology office in Burlington, New Jersey, and at the Navy Yard.



We continue to work with Jefferson Health and Jefferson Health in New Jersey leadership implementing strategic plans to provide urologic

services throughout Jefferson New Jersey's market area and facilitating shared care for cancer patients through our NCI-designated SKCC.

Urology Specialty clinics are also held several times a month at Magee Rehab and the Inglis House.



DMD Visiting Professor

The Department of Urology was pleased to welcome Dr. David Penson as our 2019 DM Davis Visiting Professor. The program was held on June 7, 2019, and was followed by our Graduation Banquet at the Museum of the American Revolution. David F. Penson, M.D., M.P.H., M.M.H.C., is Professor and Chairman of the Department of Urology, Vanderbilt University Medical Center, Nashville, Tennessee. The David M. Davis Professorship not only commemorates the legacy of Dr. Davis and the 115-year history of our Department, but provides an opportunity to celebrate the accomplishments of our graduating Chief Residents: Drs. Mihir Shah, Andrew Pridjian and James Steward and Endourology Society Fellow Dr. Thenu Chandrasekar.

Dr. Penson presented two talks "What's New in Patient-Reported Outcomes Following Treatment of Localized Prostate Cancer." and "Prostate Cancer Screening: Science, Politics and the Path Forward." In addition to standard case presentation, the program featured a session titled, "What would you do?" where Dr. Penson presented challenging cases to be solved by the residents. The daytime program also featured our inaugural Jefferson Urology Alumni award presentation to Dr. Steve Strup (see page 10). More than 70 participated in the CME daytime program including 30 current and former residents and fellows.

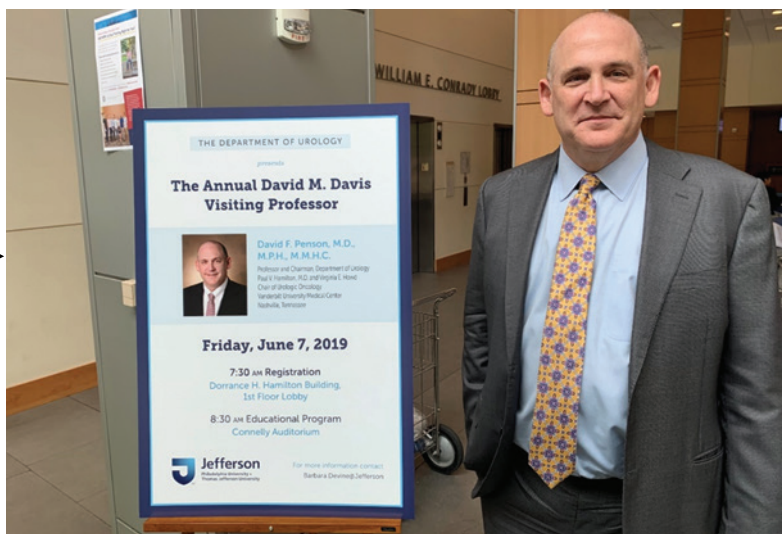
◀ Visiting Professor Dr. Peter Gilling strikes a pose with our namesake, Thomas Jefferson, outside of Alumni Hall. (See Dr. Gilling's story on page 20.)



Former and current Urology residents gathered for a group photo with Dr. Penson by the Samuel Gross statue on Lubert Plaza.

The evening graduation banquet at the History of the American Revolution Museum featured a themed dinner. Participants had the opportunity to take private docent tours of the museum. We were fortunate to be joined by Dr. George Drach, Professor of Urology at Penn, and Ms. Peggy Duckett, who are founding members of the Museum.

Peggy gave a brief “insiders talk” about the background of this new Philadelphia destination museum. Our 2019 Jefferson Urology Graduates, who that were honored at the Museum of the American Revolution Banquet, included Drs. Mihir Shah (Chief), Thenu Chandrasekar (Fellow), James Stewart (Chief) and Andrew Pridjian (Chief).



Dr. David Penson, Chair of Urology at Vanderbilt, our 2019 DMD Visiting Professor.



The DMD program included didactic lectures and case presentations for both the visiting professor Dr. Penson and the residents to solve.

DMD Visiting Professor...Continued



Drs. Shah, Chandrasekar, Steward and Pridjian passed on the powder wigs but did wear the colonial style tricorn hat as they showed off their traditional bobble head parting gifts.



Drs. Lenny and Tricia Gomella were properly dressed host and hostess for the 2019 graduation banquet at the Museum of the American Revolution.

Dr. Peter Gilling Visiting Professor



Dr. Peter Gilling (second from left) with Drs. Mihir Shah, Akhil Das and Andrew Pridjian.

On his long trip from New Zealand to the United States to attend the 2019 AUA Annual Meeting in Chicago, we were fortunate to have Dr. Peter Gilling make a stop at Jefferson as Visiting Professor this past May. Peter Gilling, MBChB, MD (Otago), FRACS

is Professor of Surgery, University of Auckland Academic Head of Tauranga Clinical Site and the Head of Bay of Plenty DHB Clinical School in New Zealand. He was recently ranked number six in the world by *Expertscape* for his research and

treatment of BPH. As a pioneer in the HoLEP procedure to treat BPH he was Dr. Akhil Das's fellowship mentor. Dr. Gilling supervised a journal club and presented a thought provoking grand rounds titled, "Adventures in BPH Treatment."

Dr. Lou Kavoussi

2019 Brownstein Visiting Professor



Drs. Ken Brownstein and Leonard Gomella present Dr. Lou Kavoussi with his Brownstein Lectureship Commemorative plaque.



As part of his grand rounds talk, Dr. Kavoussi provided insights on how the expansion of the New York area Northwell Health System and its Urology Service line and our Jefferson Health Urology Service lines are similar in design.

The 8th Annual P. Kenneth Brownstein, MD Lectureship and Visiting Professor was held on November 6 and 7, 2019. Louis Kavoussi, MD Chairman, Department of Urology Professor, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell University Medical School is a well-known contributor

to the field of endourology and laparoscopy and serves as Co-editor of *Campbells-Walsh Urology*, our main reference text in the field. His grand rounds talk, "Kidney Cancer Perspectives," addressed issues faced by urologists on a daily basis concerning partial versus radical nephrectomy and the risks and

benefits of the various surgical approaches. The Wednesday evening journal club comprised an eclectic selection of excellent articles not normally considered to be chosen by an expert in endourology, including a surprisingly relevant analysis of the movie, *My Cousin Vinny* (you had to be there!).

Pediatric Urology Visiting Professor

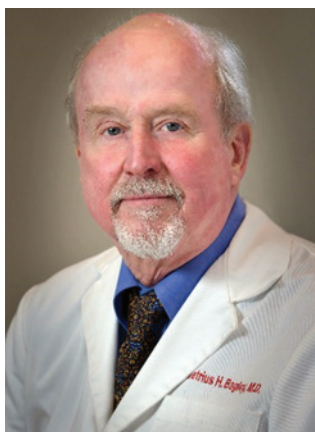
On October 9 and 10 the Division of Urology at A.I. duPont Hospital for Children hosted the 29th consecutive Pediatric Urology Visiting Professorship. This academic activity was started by the late Bruce R. Filmer, MBBS, when he was recruited to the then Alfred I. duPont Institute as the first Chief of Urology. This year the visiting professor was Dr. Rosalia Misseri, Chief of the Department of Urology at Riley Children's Hospital, and Professor of Urology at The University of Indiana School of Medicine. During her visit, Dr. Misseri gave the annual William Ferris Memorial Lectureship on "What a Pediatric Urologist Learns when Taking Care of Adults with Spina Bifida." As part of the educational activities, Dr. Misseri discussed many challenging cases with the urology residents throughout the day. We were very pleased to have many of the faculty members from Jefferson join us for the activities of the day including Drs. Gomella and Shenot, as well as Dr. Michael Erhard participate in this conference. Dr. Erhard, a former urology resident at Jefferson, and pediatric urologist, serves as the Enterprise Vice President



Drs. Figureoa, Visiting Professor Rosalia Misseri from Indiana University, Haggerty and Bahni-Hani after Dr. Misseri's VP grand rounds presentation at Jefferson.

and Physician-in-Chief for the Florida Operations of the Nemours Foundation. On October 10, Dr. Misseri presented, "Pediatric UTI: Implications for the Future," at the Department of Urology Grand Rounds in Center City.

Jefferson Urology Faculty Profiles



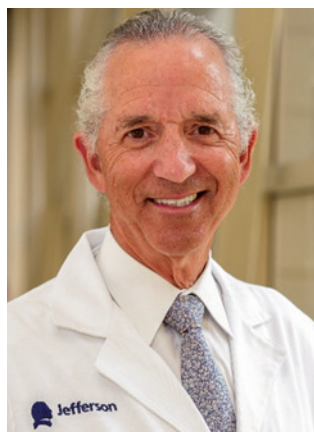
DEMETRIUS BAGLEY, MD, FACS Nathan Lewis Hatfield Professor of Urology

Dr. Demetrius Bagley joined Grant Mulholland as the academic faculty of the Department of Urology in 1983. He is currently the Nathan Lewis Hatfield Professor of Urology and Professor of Radiology. His career has been based on interest in research, clinical expertise and education. Currently his clinical activity has been curtailed because of health problems, but he continues working in research and education.

After college and medical school at Johns Hopkins University, he completed general surgery and urology residency at Yale before three years as a clinical associate in the surgery branch of the National Cancer Institute. His first faculty position was in the division of urology at the University of Chicago. There, he worked with Drs. Edward Lyon and Jeffrey Huffman in developing the field of ureteroscopy. After four years, he moved to Philadelphia as a preeminent endourologist. He has trained numerous residents and has provided the catalyst and training for many local urologists.

Dr. Bagley has presented many courses for the education of urologists, including courses at the AUA for nearly three decades, international hands-on, live demonstrations and lecture courses in addition to visiting professorships and invited lectureships in more than 35 countries. The annual Urology Symposium in Avalon, which Dr. Bagley initiated and has recently run with Dr. Paul Chung, has been a staple for more than 25 years. It is designed for the education of residents, students, faculty and urologists, as well as office and clinical staff in many aspects of urology. His collaboration with Drs. Allyson Berent and Chick Weisse has established the field of Endourology in veterinary surgery.

Dr. Bagley's experience and accomplishments have favorably altered urologic practice and the patients' experience.



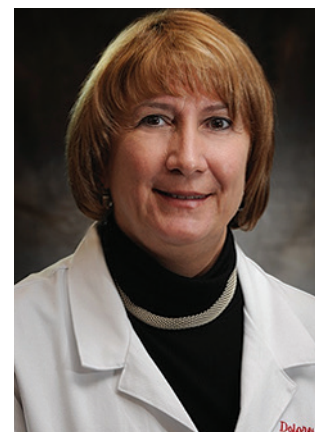
P. KENNETH BROWNSTEIN, MD, FACS Clinical Assistant Professor

Dr. P. Kenneth Brownstein has been a member of Jefferson's Department of Urology since 1972. Dr. Brownstein was a member of the original kidney transplant team at Jefferson in the 1970's and remained an active member of the transplant group for the next 25 years.

He completed his residencies at UCLA Harbor General Hospital, University Hospital in San Diego and Thomas Jefferson University. In 1975, Dr. Brownstein received the Alpha Omega Alpha Award for the best teaching resident at Thomas Jefferson University Hospital and its affiliated hospitals. He was certified by the American Board of Urology in 1978.

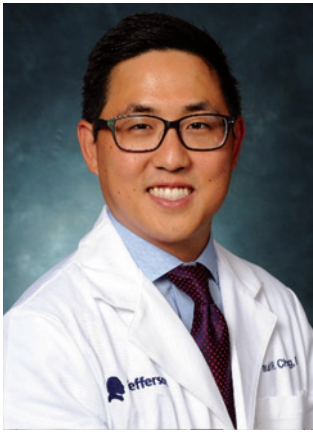
Dr. Brownstein is a past President of the Medical Staff of Thomas Jefferson University Hospital. When Jefferson's Department of Urology celebrated its centennial anniversary in 2004, it presented him with the Distinguished Alumnus Award; he was also honored with the most prestigious award given by Thomas Jefferson University at the Annual Gala in 2008, "The Achievement Award in Medicine."

Currently, he practices general urology on a limited basis at Thomas Jefferson University as Assistant Professor of Urology. He also is the Physician Director of Development for Thomas Jefferson University and Jefferson Health, the Director of Development for the Department of Urology at Jefferson, and The Harold A. Honickman Physician Director of Jefferson Signature Services. He is the author of numerous publications in the field of urology and has a wide array of urologic interests and a broad urological practice. He, and his wife, Lisa, are the proud parents of three children and eight grandchildren.



DOLORES BYRNE, PHD Assistant Professor, Department of Urology Program Director, Post-Baccalaureate Pre-Professional, Thomas Jefferson University

Dr. Dolores Byrne is one of the most senior members of the Department of Urology since joining in 1987. Dr. Byrne received her BS in Biology from Allentown College of DeSales University in 1975 and went on to receive her PhD in Medical Sciences, concentration in Cell Biology and Gross Anatomy from the University of Pittsburgh School of Medicine. She served as a postdoctoral fellow in Immunology and Biochemistry in the Departments of Biochemistry and Urology at Jefferson. After a three-year hiatus at Haverford College, Dr. Byrne joined the Department of Urology in 1987 and served as a postdoctoral fellow working in infection and inflammation under the guidance of Dr. Grant Mulholland. Dr. Byrne was deeply involved in basic science research and was a PI on several industrial grants and the co-PI on several NIH grants, which focused on mucin glycoprotein defense mechanisms in the bladder. Dr. Byrne served as a critical link between the residents working in the lab during their research time and has assisted residents and fellows with their various scholarly projects. For the past 15 years as the Department's Assistant Director for Urology Education, she mentors SKMC students through their 3rd and 4th year rotation and assists with the initial application stages of our urology residency program. Dr. Byrne assists the faculty in preparing grant submissions and IRB proposals and has played a major role in the coordination of our annual Men's Health Screening Event since its inception in 1989. Dr. Byrne has more than 37 peer-reviewed publications, one book chapter and more than 60 abstracts presented at regional, national and international meetings. While she continues to support the academic programs in the Department of Urology, she currently spends most of her professional time as the Program Director of the Post-Baccalaureate Pre-Professional program in Jefferson's College of Life Sciences. Dr. Byrne has received awards from the National Kidney Foundation, the Young Investigator's American Foundation for Urologic Disease, and the Interstitial Cystitis Association. She received a SKMC Dean's Award for Excellence in Education and most recently, The 2019 Professor Frederic Rieders Faculty Prize in Graduate Education (see page 49).



PAUL H. CHUNG, MD
Assistant Professor

Dr. Chung, a Sidney Kimmel Medical College graduate, completed his urology training at UT South West in Dallas and a fellowship in reconstructive Urology at the University of Washington in Seattle. He continues to be involved in medical student education as a lecturer for the JeffMD curriculum and as a mentor for students in the Clinical and Translational Research Track. For the past few years, he has been the Co-Chair of the Jefferson Urology Avalon Symposium and is now responsible for our Department of Urology Alumni program. This past year, he was invited to the annual Société Internationale d'Urologie meeting in Athens, Greece, to present innovations within reconstructive urology. He received Jefferson's Provost's Pilot Clinical Research Award to evaluate contrast-enhanced ultrasound for urethral stricture disease and an Inaugural Pilot Research Grant from WPATH the World Professional Association of Transgender Health. His abstracts have been presented at many national and international meetings, including the AUA, Mid-Atlantic AUA, and Société Internationale d'Urologie annual meetings this year.

Dr. Paul Chung and his wife, Lilly, welcomed their first child, Madeline, this summer and continue to live in the Northern Liberties neighborhood of Philadelphia with their dog, Harold.



AKHIL DAS, MD, FACS
Associate Professor

Dr. Akhil Das is an Associate Professor of Urology in the Department of Urology at Sidney Kimmel Medical College at Thomas Jefferson University Hospital. He currently serves as CME director for the Department of Urology. He graduated from Hahnemann University School of Medicine and completed his urology residency at Thomas Jefferson University Hospital. He continued his post-graduate training with a fellowship at Tauranga Hospital in New Zealand under the mentorship of Dr. Peter Gilling, the founder of Holmium Laser Enucleation of the Prostate (HoLEP) technique. During this time, he helped develop the current surgical strategies for HoLEP and has brought this technology to the United States. He was one of the first surgeons to perform HoLEP in the United States and helped incorporate HoLEP as a minimally invasive technique for BPH. He was instrumental in making HoLEP a procedure of choice for BPH and helped to establish the CPT code for HoLEP. In the revised 2018 AUA Guidelines for BPH, HoLEP is now considered the primary endoscopic surgical technique independent of prostate size, and arguably the gold standard for the surgical management of BPH. Prior to his current appointment, he was on the faculty at New York Medical College and later went on to private practice in New Mexico, where he continued to improve on the techniques of HoLEP.

Dr. Das is a national expert in minimally invasive treatments for BPH and endoscopic laser surgery. His other Urology interests include the use of minimally invasive techniques for the management of lower urinary tract dysfunction, including urinary incontinence in both males and females. He is certified in Female Pelvic Medicine and Reconstructive Surgery (FMPRS). He serves a CME Director for the Department of Urology and coordinates our Annual Urology Symposium (see page 43).



DEBORAH T. GLASSMAN, MD, FACS
Clinical Associate Professor

Dr. Deborah Glassman is a Clinical Associate Professor of Urology. She has been with Jefferson Urology Associates for 17 years, as long as she has been in Philadelphia. Dr. Glassman trained at the University of Maryland Medical Center and spent a year on faculty there as a Urologic Oncologist. She moved to Philadelphia, eight months pregnant with her husband for his fellowship in Surgical Oncology at Fox Chase Cancer Center. They never left. Over the years, her practice has morphed. Dr. Glassman now works part-time and sees general urology patients.

Dr. Glassman is the Telehealth Champion for the department and acts as a leader in promoting telemedicine visits and is researching in the use of telemedicine in urology. She recently presented data from this research in telemedicine at the American College of Surgeons and Mid-Atlantic AUA. Dr. Glassman is also a mentor to the pre-clinical students teaching communication skills and interview techniques as part of the JeffMD curriculum.

In addition to Urology, Dr. Glassman has many other passions. She recently took the part of Mrs. Claus, Mayor of the North Pole in "See Amid the Winter Snow" during the Philly Fringe Festival. She is also a certified yoga teacher which she teaches regularly at her synagogue, and has a program called Shabbhakti Yoga.

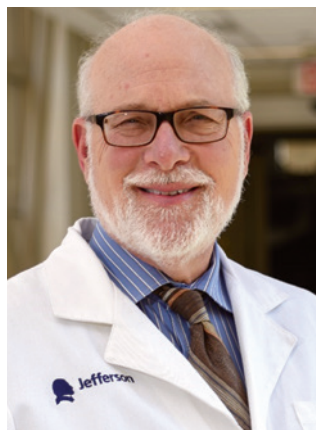
Jefferson Urology Faculty Profiles



LEONARD GOMELLA, MD, FACS
The Bernard W. Godwin Professor of Prostate Cancer
Chairman, Department of Urology
Senior Director for Clinical Affairs, Sidney
Kimmel Cancer Center

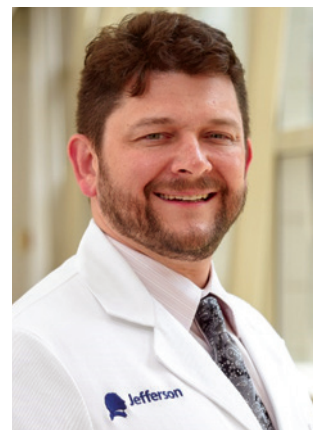
Dr. Leonard Gomella is the Bernard W. Godwin, Jr. Professor of Prostate Cancer and Chairman of Urology at the Sidney Kimmel Medical College. After medical school and urology training at the University of Kentucky and a fellowship in Urologic Oncology at the NCI in Bethesda, he joined Jefferson in 1988 and was appointed Chair in 2002. He is Senior Director for Clinical Affairs for the Sidney Kimmel Cancer Center and Urology Chair for NRG (RTOG). Dr. Gomella is involved in prostate and bladder cancer translational research at the Sidney Kimmel Cancer Center as Co-Leader of the Prostate Cancer Program. His team was first to use molecular techniques to detect prostate cancer circulating tumor cells in 1992, which opened a new area of research. He authored *Recovering from Prostate Cancer*, the first public book specifically focused on prostate cancer in 1993. He has given more than 600 presentations, written more than 500 papers, and has authored and edited 63 editions of 17 medical books, including three editions of the "Five-Minute Urology Consult." In the field of medicine, he is most recognized for eleven editions of the medical student resource the "Clinicians Pocket Reference" popularly known as the "Scut Monkey Book." The 12th edition is being renamed "Gomella and Haist's Clinicians Pocket Reference." He has been Editor-in-Chief of the *Canadian Journal of Urology International* since 2010.

"Best Doctors in America," "Top Doctors for Cancer," *Philadelphia Magazine's* "Top Doctors" have recognized him for urologic oncology including a recognition in *Newsweek*. *Men's Health Magazine* has listed Dr. Gomella as one of the 20 top urologists in the United States. Awards include the following groups: American Cancer Society, a "Distinguished Contribution Award" from the AUA and the "Jefferson Achievement Award in Medicine." He has been President of the Mid-Atlantic Section of the AUA and President of the Society of Urologic Oncology and elected to the American Association of Genitourinary Surgeons and the Clinical Society of Genitourinary Surgeons. In 2019, Jefferson Health appointed him Enterprise Service Line Leader for Urology. Writing medical books is a family affair with his wife, Dr. Tricia Gomella, the editor of *Gomella's Neonatology*, publishing her eighth edition in 2020. The Gomella's are the parents of four boys.



IRVIN HIRSCH, MD
Professor

Dr. Irvin Hirsch, Clinical Professor of Urology, earned his medical degree at the Icahn School of Medicine at Mount Sinai. He completed his surgical and urology residencies at Beth Israel Medical Center. He later completed his Fellowship in Male Reproductive Medicine and Surgery, as well as in Urodynamics and Uroprosthetics at the Baylor College of Medicine. He directed the Department of Urology's efforts in male infertility and sexual health since joining the Thomas Jefferson University faculty in 1985. Since then, he has been committed to advances in microsurgical, laser and medical treatments of disorders specific to men's health and currently serves as Co-Director of Jefferson's Men's Health Program. His research interests have led to clinical and scientific advances in Male Reproductive Rehabilitation. He serves as a reviewer for the *Canadian Journal of Urology*, *Journal of Andrology*, and other professional journals, and has published extensively in his fields of interest. He has been cited among the "Best Doctors in America" and served on the Executive Committee of the Philadelphia Urologic Association and Jefferson's Medical Executive Committee.



SCOTT G. HUBOSKY, MD
Demetrius H. Bagley Associate
Professor of Urology

Dr. Scott G. Hubosky is the Demetrius H. Bagley, Jr. MD Associate Professor of Urology, Director of Endourology and Vice Chair of Quality and Safety for the Department of Urology. He graduated cum laude from Loyola University Chicago Stritch School of Medicine in 1999 and completed urology resident training at Thomas Jefferson University Hospital in 2005. After successful completion of a fellowship in Endourology and Laparoscopic Surgery under the auspices of the Endourological Society at Eastern Virginia Medical School in Norfolk, VA, he returned to the staff of the Department of Urology at Thomas Jefferson University in July of 2006.

During his thirteen years as a staff member with the department, he has helped maintain Jefferson's reputation as a destination for patients with complex endourological problems. His research interests include endoscopic management of upper tract urothelial carcinoma, nephrolithiasis, radiation safety and ureteroscopic instrumentation.

Dr. Hubosky is co-director of the Endourology Fellowship Program in the Department of Urology and has helped contribute to the endourological training of numerous fellows across the country as well as others from Israel, Japan, Puerto Rico and Singapore. As Vice Chairman for Quality and Safety for the Department of Urology, he has focused on safety issues involving flexible ureteroscopy and ERAS protocol for patients undergoing radical cystectomy.



COSTAS D. LALLAS, MD, FACS
Professor

Dr. Costas Lallas is Professor and Vice Chair for Education at the Sidney Kimmel Medical College. His clinical practice is in urologic oncology, focusing on minimally invasive (robotic surgery, laparoscopy) techniques. He is a member of multidisciplinary management teams in urologic oncology and renal transplantation at the Sidney Kimmel Cancer Center and TJUH. He serves as the Director of Robotic Surgery and the Director of Surgical Simulation for TJU and TJUH.

Dr. Lallas has published more than 100 articles in peer-reviewed journals. He has authored several book chapters and invited manuscripts in the fields of surgical education and urologic oncology, and serves on the Editorial Board of *Videourology*, the digital journal of the Endourology Society. He is the Vice Chair of Education, the Director of undergraduate medical education, the Associate Program Director, and the co-Director of the Fellowship in Minimally-Invasive Urologic Oncology for the Department of Urology at TJUH. He has held leadership positions in the Philadelphia Urologic Society, the American Urologic Association, and the Mid-Atlantic Section of the AUA, currently serving on the Board of Directors for the MAAUA, and was in the AUA Leadership Class of 2016-17.

Dr. Lallas completed his undergraduate studies at Duke University, his medical degree at Sidney Kimmel (Jefferson) Medical College, internship and residency in urology at Duke University Medical Center, and a fellowship in minimally invasive urologic oncology at the Mayo Clinic in Arizona. His research interests include curriculum development for undergraduate, graduate, and postgraduate surgical education.

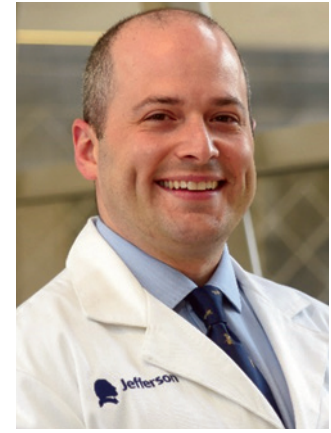


JEANNE LLENADO, DO, FACOS
Clinical Assistant Professor

Dr. Jeanne Llenado is a Clinical Assistant Professor of the Department of Urology at the Sidney Kimmel Medical College. Dr. Llenado completed her medical school, general surgery and urology training at the University of Medicine and Dentistry of New Jersey, School of Osteopathic Medicine. Dr. Llenado was the first female urological surgeon to graduate from her residency program. Dr. Llenado joined the Jefferson faculty in 2001 and serves as the Physician Director for Jefferson Urology South Philadelphia Campus.

Dr. Llenado is actively involved in teaching medical students and urology residents at the Sidney Kimmel Medical College. Dr. Llenado has given dozens of local presentations in the Philadelphia region on general urology topics, such as overactive bladder, benign prostatic hyperplasia and kidney stone disease. She has also co-chaired the urology mid-year meeting for the American College of Osteopathic Surgeons. She was a member of the ACOS Award Committee Member from 2006-2012. Dr. Llenado continues to be a regular contributor to *Doody's Book Review*.

Dr. Llenado is an active urological clinician. She has a busy general urology practice at the Navy Yard and Jefferson Methodist Hospital Division. She has extended the Jefferson Urology practice to South Jersey. In her spare time, Dr. Llenado enjoys swimming and taking her son to play newly released video games in Nintendo New York.



MARK J. MANN, MD
Assistant Professor

Dr. Mark J. Mann completed his education and training at Columbia University until he came to Thomas Jefferson University to complete his Minimally Invasive Urologic Oncology Fellowship later joining the faculty. As a part of the staff he has pioneered Jefferson's effort in High Intensity Focused Ultrasound in the Treatment of prostate cancer and localized post-radiation recurrent prostate cancer. He is Director of Jefferson's Urologic Diagnostic Center and a member of the SKCC Cancer Support and Welcome Center Committee and the TJUH Cancer Committee.

Aside from being active advancing the Jefferson Enterprise at Abington Asplundh Cancer Center, he has also been active in research improving local and regional prostate biopsy safety and evaluating prostate cancer treatment outcomes at Jefferson, as well as a member of the Pennsylvania Urologic Research Consortium. His work has been presented and published both at the Mid-Atlantic AUA and the national AUA conferences. In early 2019, Dr. Mann and his wife, Rachel, with much joy and happiness, welcomed a baby boy, Max, to their family.

Jefferson Urology Faculty Profiles



J. RYAN MARK, MD
Assistant Professor

Dr. J. Ryan Mark is an Assistant Professor at the Sidney Kimmel Medical College of Thomas Jefferson. His clinical practice is in all aspects of urologic oncology with additional interest in minimally invasive approaches to the treatment of advanced genitourinary malignancies. He is the Department Director of Clinical trials, an active member of the Sidney Kimmel Cancer Center and the multidisciplinary management team in urologic oncology.

Dr. Mark completed his undergraduate studies at the University of Missouri, his medical degree at Saint Louis University, internship and residency at Thomas Jefferson University Hospital, and his fellowship in Urologic Oncology at the Levine Cancer Institute at the Carolinas Medical Center. Outside of work, Ryan enjoys spending time with his family, dabbling in music production, and jamming with his two kids.



ALANA MURPHY, MD, FACS
Assistant Professor

Dr. Alana Murphy is an Assistant Professor in the Department of Urology at Thomas Jefferson University Hospital. Dr. Murphy completed her medical training and urology residency at Columbia University College of Physicians and Surgeons. She then completed a fellowship in Female Pelvic Medicine and Reconstructive Surgery at Cleveland Clinic. She joined the Jefferson faculty in 2012 and currently serves as the director of FPMRS and is Associate Director of the Department of Urology Residency program.

Dr. Murphy has authored numerous peer reviewed articles and textbook chapters. She is a reviewer for three peer reviewed journals, an active member of the Society for Urodynamics, Female Pelvic Medicine and Urogenital Reconstructive Surgery, and an instructor for second and fourth year medical students at Sidney Kimmel Medical College. She is certified in Female Pelvic Medicine and Reconstructive Surgery.



PATRICK J. SHENOT, MD, FACS
Associate Professor
Deputy Chair

Dr. Patrick Shenot is Associate Professor of Urology and Deputy Chair of the Department of Urology at the Sidney Kimmel Medical College. He has served as Residency Program Director since 2003. Dr. Shenot received his undergraduate degree from the Pennsylvania State University and is a graduate of the State University of New York at Stony Brook School of Medicine. He completed general surgery and urology training at Thomas Jefferson University Hospital. He completed a fellowship in Neurourology and Voiding Dysfunction at Jefferson in 1999 and is certified in Female Pelvic Medicine and Reconstructive Surgery (FMPRS).

His major clinical interests are in neurourology and voiding dysfunction, particularly in the care of spinal cord injured patients. He has been actively involved in clinical research in the development of new therapies for the management of neurogenic bladder dysfunction and has been principal investigator for more than thirty funded clinical trials.

He has published more than 75 papers, chapters, and monographs and has received awards for research from the American Spinal Injury Association. He serves as a reviewer for ten journals in the fields of urology, spinal cord injury, and physical medicine and rehabilitation. He has made more than 100 presentations at national and international conferences and has been the recipient of awards for excellence in research from the American Spinal Injury Association.



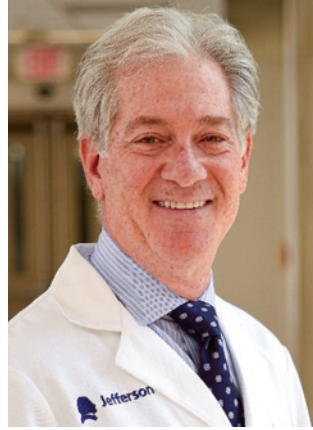
Division of Pediatric Urology Faculty



EDOUARD J. TRABULSI, MD, FACS **Professor**

Dr. Edouard Trabulsi is a Professor and Vice Chair for Research in the Department of Urology. He received his Bachelor of Science in Biochemistry Cum Laude with distinction in Research from the University of Rochester and completed his medical degree magna cum laude at the State University of New York at Buffalo School of Medicine and Biomedical Sciences. He completed his surgery internship, surgery residency and urology residency at Thomas Jefferson University. He also completed fellowship in urologic oncology at the Memorial Sloan-Kettering Cancer Center in New York. He specializes in all aspects of urologic oncology and robotic surgery.

Dr. Trabulsi is Director of the Division of Urologic Oncology in the Department of Urology of Thomas Jefferson University, and Co-Director of the Genitourinary Multidisciplinary Cancer Center at Kimmel Cancer Center and the Jefferson Prostate Diagnostic Center at Thomas Jefferson University. He is chair of the Cancer Committee for Thomas Jefferson University Hospital for the American College of Surgeons Commission on Cancer. He also serves as Co-Chair of the Early Modality subcommittee for the ECOG-ACRIN Genitourinary Oncology committee. He is a former President of the Mid-Atlantic Section of the AUA, and has served on the Board of Directors for the Society of Urologic Oncology.



PERRY R. WEINER, DO, MSc, FACOS **Clinical Associate Professor**

Dr. Weiner is Clinical Associate Professor of Urology and Director of the Men's Health Program at Thomas Jefferson University. He completed his training at Philadelphia College of Osteopathic Medicine. During his residency, he earned his Master's in Science degree, studying the effects of laser energy on tissue healing.

Dr. Weiner has been in practice since 1986. His interests include the treatment of benign prostate disease, erectile dysfunction, low testosterone, and managing Men's Health. The Men's Health program at Jefferson utilizes a multidisciplinary approach, including the specialties of cardiology, endocrinology, sports medicine, sleep medicine, and primary care. Urological subspecialties within the program include reconstructive urology, infertility, sexual function and advanced surgical treatments for benign prostate enlargement.

He has served as Chairman of the Medical Advisory Committee at Methodist Hospital Division of Thomas Jefferson University. Dr. Weiner has received his Board Certification in Quality Assurance and Utilization review, and currently is a member of the Board of Trustees Quality Assurance Committee at Jefferson.



T. ERNESTO FIGUEROA, MD **Professor of Urology and Pediatrics**

Dr. "Sonny" Figueroa is Division Chief and Professor of Urology and Pediatrics, Sidney Kimmel Medical College of Thomas Jefferson University, and Clinical Professor of Surgery, Cooper University of Rowan University.

Dr. Figueroa joined Al duPont Hospital for Children (AIDHC) and Jefferson in 1994. He completed his fellowship at the Children's Hospital of Michigan in 1990. His areas of interest are neurogenic bladder, urinary tract reconstruction, transitional urology and general pediatric urology. Dr. Figueroa is the current Chair of the Public Education Council of the Urology Care Foundation, and Editor of UrologyHealth Extra, all programs of the American Urologic Association.®

Division of Pediatric Urology Faculty



AHMAD H. BANI HANI, MD Clinical Associate Professor of Urology and Pediatrics

Dr. Ahmad Bani Hani is Director of the Urology residency at A.I. duPont Hospital for Children (AIDHC). He joined AIDHC and the Jefferson faculty in 2008, after completing his fellowship at the Riley Children's Hospital of the University of Indiana. Dr. Bani Hani oversees the residents that rotate at AIDHC from Jefferson and other teaching programs. His areas of interest are complex urinary tract reconstruction, neurogenic bladder, robotic surgery, management of the varicocele and management of enuresis. He is the current Chair of the Pediatric Health Committee of the Public Education Council, Urology Care Foundation.

In 2019, Dr. Bani Hani was the Visiting Professor at Saqr Hospital in the United Arab Emirates, where he lectured and participated in surgical procedures. He also led a Nemours-based team of urologists, nephrologists, pediatric anesthesiologists, urology residents and surgical nurses to a volunteer trip to Peru where the team addressed complex urinary tract problems in children (see page 38).

In his spare time, Dr. Bani Hani continues to pursue his passion for photography, and some of his superb photographs were part of an extraordinary exhibition at AIDHC from October to December 2019.



JENNIFER A. HAGERTY, DO Assistant Professor of Urology and Pediatrics

Dr. Haggerty is Director of Robotic Surgery, A.I. duPont Hospital for Children (AIDHC). Prior to joining AIDHC in 2010, Dr. Hagerty was a faculty member at the Ann and Robert Lurie Children's Hospital in Chicago, where she completed her fellowship in pediatric urology.

Dr. Hagerty's clinical interests include robotic-assisted, minimally invasive pediatric surgery, InterStim neuromodulation in children, endourology, complex urinary tract reconstruction, including urethral stricture repairs, and extension of the applications of Epic electronic medical record to pediatric urology. She is the leader of Telemedicine in pediatric urology at Nemours, and she continues to expand applications of InterStim to complex lower urinary tract disorders in children.

In 2019, Dr. Hagerty travelled to the Nemours Children's Hospital in Orlando to promote the use of laparoscopic surgery and participate in surgery. Each year, Dr. Hagerty is charged with giving the lecture, "Updates in Pediatric Urology," at the American College of Osteopathic Surgeons Annual Clinical Assembly. In her spare time, Dr. Hagerty continues to perfect her recipes for delicate and delicious macaroons and other culinary delicacies.



PUNEETA RAMACHANDRA, MD Associate Professor of Urology and Pediatrics

Dr. Puneeta Ramachandra is Assistant Professor of Urology and Pediatrics, Sidney Kimmel Medical College. Dr. Ramachandra joined the faculty at the A.I. duPont Hospital for Children in 2016. Dr. Ramachandra comes to the greater Philadelphia area from the Valley Children's Hospital in California, where she was an attending pediatric urologist.

Dr. Ramachandra completed a Urology Residency at the University of Connecticut Health Centers in Farmington, and a Fellowship in Pediatric Urology at the University of California in San Diego Rady's Children's Hospital. While at Rady's Children, she also went through the Clinical Research Enhancement through Supplemental Training (CREST) at the University of California in San Diego. Dr. Ramachandra's areas of interest include robotic surgery, endourology, video urodynamic testing and general pediatric urology. Dr. Ramachandra has had a very busy year with the arrival of her daughter, Jaya Hanelei.

Additional Jefferson Urology Faculty

Leigh S. Bergmann, MD
Clinical Instructor

Max Koppel, MD
Clinical Associate Professor

James Squadrito, MD
Clinical Instructor

David J. Ellis, MD
Clinical Assistant Professor

David E. McGinnis, MD
Clinical Assistant Professor

Matthew Sterling, MD
Clinical Assistant Professor

Leonard A Frank, MD
Clinical Assistant Professor

Mehrdad M. Soroush, MD
Clinical Instructor

Ilia Zeltser, MD
Clinical Associate Professor



KAROLYNN ECHOLS, MD
Associate Professor Obstetrics and
Gynecology and Urology
Director, Female Pelvic Medicine &
Reconstructive Medicine
Department of Obstetrics and
Gynecology



WILLIAM KEVIN KELLY, DO
Professor Medical Oncology and Urology
Associate Director for Clinical Investigations,
Sidney Kimmel Cancer Center
Director of the Division of Solid Tumor Oncology,
Department of Medical Oncology



VEDA GIRI, MD
Associate Professor Medical Oncology,
Cancer Biology and Urology
Director, Jefferson Clinical Cancer
Genetics Service
Department of Medical Oncology



KAREN E. KNUDSEN, MBA, PhD
Chair & Hilary Koprowski Endowed Professor
Dept. of Cancer Biology
Executive Vice President, Oncology Services, Jefferson Health
Enterprise Director Sidney Kimmel Cancer Center
Professor of Cancer Biology, Medical Oncology and Urology



ETHAN J. HALPERN, MD, MSCE
Professor of Radiology and Urology
Vice Chair for Research, Department of
Radiology



**MATHEW L. THAKUR, PhD, FSNMMI,
FNAI, FACNM, FICNM, FARR**
Professor, Department of Radiology,
Radiation Oncology and Urology

Awards & Recognitions

Dr. Edouard Trabulsi receiving his Telehealth Award from Dr. Judd Hollander, SVP, Healthcare Delivery Innovation.



From left to right: Dr. Bruce Meyer, Dr. Steven Klasko, Dr. Ken Brownstein, Mr. Harold Honickman and Ms. Elizabeth Dale participate in the investiture ceremony honoring both Dr. Brownstein and Mr. Honickman.

Dr. Kenneth Brownstein has been honored as the first Harold A. Honickman Physician Director of Jefferson Signature Services. In addition to Jefferson's senior leadership, members of the Honickman family, members of the Department of Urology joined in the investiture celebration (see below).

The annual 2019 **Castle Connolly Top Doctor Awards for Cancer** included Drs. Gomella, Izes, Lallas and Trabulsi.

The Philadelphia Magazine "Top Docs" 2019 recognized the following members of the Department of Urology: Drs. Alana Murphy, Leonard Gomella, Costas Lallas, Patrick Shenot, Ed Trabulsi and our new faculty member, Dr. Joe Izes. Our pediatric urology faculty, Drs. Sonny Figueroa and Ahmad Bani Hani, were also recognized.

Dr. Sonny Figueroa, Professor of Urology and Pediatrics, Division Chief of Pediatric Urology, Nemours Children's Health System has been appointed Public Education Council Chair, **Urology Care Foundation of the AUA**, through 2021.

Dr. Ed Trabulsi, Professor of Urology, is truly deserving of this recognition. He has received Jefferson's **Telehealth Champion Award 2019**, which is given to the physician who has completed the most video telehealth visits over the previous fiscal year. This is Dr. Trabulsi's second award with the **JeffConnect** program. In 2018, he received

one of the Jefferson "**Telehealth Trailblazer**" awards for similar pioneering achievements in the use of telemedicine.

Congratulations to **Dr. Thenu Chandrasekar**, Assistant Professor, on receiving a grant award from the Philadelphia Prostate Cancer Biome Project. He will collaborate with Jefferson researcher Dr. S.K. Tripathi in the study of VPAC detection of prostate cancer.

Congratulations to **Dr. Paul Chung**, Assistant Professor, on the following two awards. "Contrast Enhanced Ultrasonographic Evaluation of Urethral Stricture Disease," was selected for the Jefferson Emerging Medical Research Supports Program (JEMS) Junior Faculty Award, an initiative an initiative between the Office of the Provost and the Jefferson Clinical Research Institute (JCRI) to support junior faculty in developing their careers in clinical research. In addition, Dr. Chung has also received a World Professional Association for Transgender Health (WPATH) Inaugural Pilot Research Grants for his proposal "Development of a Urologic Symptom and Experience Questionnaire for Transgender Women."

Our newest faculty member basic science researcher, **Dr. Matthew Schiewer**, Assistant Professor, has been successful in his recent funding applications. He has received an American Cancer Society IRG grant to study the androgen receptor

in bladder cancer, as well as a Philadelphia Prostate Cancer Biome award to further study PARP inhibition in prostate cancer. Congratulations Dr. Schiewer.

The **2019 Professor Frederic Rieders Faculty Prize in Graduate Education** was awarded to **Dr. Dolores Shupp-Byrne**. This annual award recognizes outstanding performance by one or more of the Jefferson College of Life Sciences faculty (JCLS formerly the College of Biomedical Sciences) engaged in the education of graduate students at the doctoral, master's or post baccalaureate level. It is based upon nominations from JCLS students and faculty. Her award announcement stated: "As director of the College's Post baccalaureate Pre-Health Professional Program, known as the "P4 program," Dr. Dolores Shupp-Byrne has played a fundamental role in the continued development, growth and successful implementation of the program and in the success of its career-changing students. Dr. Byrne inspires her students and program faculty colleagues alike to use their talents to the best of their capacity...She has a direct and personal impact on each one of our post-baccalaureate students, whose numbers have grown significantly in just a few short years since the first class was admitted in 2012. She is always thinking about the success and well-being of our students." Congratulations, Dr. Shupp-Byrne.

Members of the Department of Urology gathered to join in the celebration of Dr. Brownstein's investiture.





◀ Frank Fund Supports Residents' Well-being

The generous gift of the Len and Barbara Frank Fund is specifically used to support the well-being of our Urology residents. In 2019 the fund supported residents to attend Phillies baseball games in collaboration with the block seating efforts of Dr. Charlie Yeo. Pictured are Drs. Tom Hardecker (PGY5) Ben Rudnick (PGY 4) and Ali Sayed (Chief PGY 6) sharing a photo opportunity at a Citizens Bank Park during a Phillies game.

Female Pelvic Medicine, Reconstructive Surgery Update

Jefferson has been expanding its focus on female pelvic health. The Department of Urology made a major commitment to this area when **Alana Murphy, MD, FACS**, joined our faculty seven years ago. Dr. Murphy completed her FPMRS training at the Cleveland Clinic before moving to Philadelphia to join the Jefferson family. Over the past five years, Jefferson has also hired two urogynecologists and three full-time pelvic floor physical therapists. We are now able to offer female patients a comprehensive pelvic health program that covers diagnoses ranging from pelvic organ prolapse to chronic pelvic pain. We continue to offer both non-mesh and mesh based prolapse repairs. When the FDA recalled all transvaginal mesh products in April 2019, we were fortunate that the most recent recall did not alter our treatment algorithms. Our program works closely with OB/GYN urogynecologists Karolynn Echols, MD FACOS and Reneita Ross MD. We are also fortunate that Drs. Pat Shenot and Akhil Das are also both FPMRS

certified. As the demand for female pelvic reconstruction continues to rise, we look forward to offering patients a full spectrum of services.

Dr. Gomella Appointed Urology Service Line Director for Jefferson Health

Stephanie D. Conners EVP, Chief Operating Officer, Jefferson Health and Edmund Pribitkin, MD, MBA, Executive Vice President Jefferson Health and President, Jefferson Medical Group, have appointed Dr. Leonard Gomella, Chair of Urology, as Enterprise Urology Service Line Clinical Leader for Jefferson Health. He will work with Adam Messer, MPH Enterprise Vice President, Service Line Executive in coordinating Urology care across the Jefferson Health system.

Father's Day Run Proceeds Support Prostate Cancer Research



Thanks to all the members of the Department of Urology who supported the 17th annual Father's Day Run on Sunday, June 16, 2019, a Philadelphia tradition (formerly the Gary Papa Run). The race was held at Paine's Park and MLK Drive. Proceeds from the event support prostate cancer research and screening in the Department of Urology and the SKCC. Special thanks to Ryan Mark and Anne Calvaresi (and their boys), who served as team captains, and

Thenu Chandrasekar for his support along with our SKMC Jefferson Urology Society students and our urology office staff. Scott Bowes and Kevin Kelly with their families were major contributors to the "Team Jefferson" effort. Sharon Waxman (SPW Productions) and Tim Krueger (Run the Day) organized the event to benefit Jefferson and the SKCC prostate programs. IBEW (International Brotherhood of Electrical Workers) were the major donors to the event.

In 2019, the event raised \$15,000, which was donated to Jefferson in support of our prostate cancer programs and in memory of Mr. Stephen Phillips. The formal check presentation was officiated by Mr. Reggie Jackson during our 2019 "Philadelphia Prostate Cancer Consensus." (See full story on page 4.)



(l to r) Dr. Gomella, Reggie Jackson, Sharon Waxman, Tim Krueger and Dr. Karen Knudsen.

New Appointments

Dr. Chung New Director of Alumni Relations

Dr. Paul Chung has been appointed Director of Alumni Relations for the Department of Urology. His focus will be to organize a comprehensive directory of former residents, fellows and SKMC students who specialize in urology. The directory will serve as a vehicle to keep alumni connected to the Department and to each other.

New Prostate Cancer Program Leader

Dr. Kevin Kelly has announced that Josep Domingo-Domenech, MD, PhD, Associate Professor, Medical Oncology and Cancer Biology, is our new Prostate Cancer Program Leader. He will work closely with the co-leaders of the program, Drs. Leonard

Gomella and Alessandro "Sandro" Fatatis. During our last SKCC NCI core grant review, the Prostate Cancer Program, one of only eight such programs in the United States, was rated as "Outstanding." All members of the Prostate Cancer Working group look forward to continuing to further build the program through Dr. Domingo-Domenech's leadership. Dr. Kelly, SKCC Associate Director of Clinical Research, will continue to oversee clinical research programs and the Clinical Research Organization in the Cancer Center.

Calvaresi Appointments

Anne Calvaresi, DNP, CRNP, RNFA, began her term as Chair of the Prostate Health Committee of the AUA's Urology Care Foundation

(UCF) in May 2019, where she also serves on the Public Education Council of the UCF. The position was previously held by past AUA President Dr. Paul Schellhammer, who mentored her during the year leading up to her term. The Urology Care Foundation of the American Urological Association supports research professionals through grants and clinical trials, provides resources for patient education, engages in public awareness campaigns, is supported by a wide variety of sponsors and donors, and publishes *Urology Health Extra* magazine for use by patients, healthcare professionals and the public. The Public Education Council of the UCF serves to guide the composition and publication of all education materials.

Prostate Cancer/ Mens Health Awareness

Approximately 150 men were seen in the Bodine Center for Cancer Treatment in September for this annual IRB-approved event to stress the importance of understanding screening for prostate cancer and other issues that impact men's health. Thanks to all SKCC GU MDC

colleagues, who helped with the program along with our SKMC students and Jefferson Urology Society members. We thank the Philly Pretzel Factory for their "P for prostate" (not Phillies) pretzels. Similar programs were held at Jefferson New Jersey.



Participants in the annual prostate cancer awareness event showing off our famous "P" pretzels.

News from Nemours/Alfred I. duPont Hospital for Children

The pediatric urology division at A.I. duPont/Nemours is the academic partner of the Department of Urology working with our residents and students on a daily basis. Nemours has pediatric practices throughout the Delaware Valley and Florida. Urology is present in Philadelphia with multiple locations in the Delaware valley, Wilmington, Orlando, Jacksonville and in Pensacola. This is one of the largest pediatric urology groups in the United States. By the end of next year, it is expected that three to four new urologists will join Nemours. As part of this group, there are ongoing efforts for collaboration, including developing standardized clinical

pathways (currently: management of undescended testes), monthly system-wide morbidity and mortality conferences (teleconference), monthly complex case conference (teleconference), Nemours-wide Disorders of Sexual Differentiation Support Group, travelling to the different campuses to assist in complex surgical cases, and collaboration in research. The following were presented at the Fall Congress of the Societies for Pediatric Urology in Scottsdale, Arizona.

"Benign Infantile Hemangioma Presenting as Solid Testicular Mass" Victor Kucherov MD, Kudakwashe Chikwava MD, Steven Blumer MD, T.

Ernesto Figueroa MD

"Assessment of Solitary Simple Renal Cyst Progression in Asymptomatic Pediatric Patients" Andrew Win, Pamela Ellsworth, MD, Monica Epelman, MD, T.Ernesto Figueroa, MD, Robert Mathias, MD

"In Vitro Evaluation of a Novel Pediatric Flexible Cystoscope - A Practical Comparison of Endoscopes for Pediatric Lower Urinary Tract Evaluation" Hong Truong, MD, Victor Kucherov, MD, Jennifer Hagerty, DO, Jose Rosado, CST, Scott Hubosky, MD, Demetrius Bagley, MD.

SKCC Men's Event with Kevin Pollak



Dr. Karen Knudsen, Kevin Pollak, Mrs. Maisel look alike (Dr. Tricia Gomella) and Dr. Leonard Gomella enjoying the festivities at the Prime Rib.

On April 30, 2019, the Sidney Kimmel Cancer Center was pleased to feature comedian, impressionist and actor Mr. Kevin Pollak. Having acted in over 80 movies he is currently featured in Amazon's series "The Marvelous Mrs. Maisel." The funds raised during the evening event, attended by more than 150 at the Prime Rib, support prostate cancer-related research in the Department of Urology and the Sidney Kimmel Cancer Center.



Kevin Pollak entertained the audience with impressions and jokes, and recounted in great detail his humorous first meeting encounter with Jack Nicholson on the set of the movie, *A Few Good Men*.



The annual SKCC Mens Event is a great opportunity to stay connected with friends and colleagues.



Dr. Gomella and Philippine Urological Association

During Prostate Cancer Awareness Month in September, Dr. Gomella was invited to address the Philippine Urological Association in Manila. His lecture covered recent advances in screening for prostate cancer using molecular markers and the latest medications to treat advanced prostate cancer. Pictured is Dr. Gomella with the President and Executive Leadership of the Philippine Urologic Association in Manila.

Jefferson Urology around the World

Dr. Das Travels to India, Bangladesh with the AUA

Dr. Akhil Das was chosen by the AUA as one of the United States faculty members who participated in the AUA-sponsored review course for urology residents in India. The program was also conducted in Bangladesh. Dr. Das lectured on a variety of topics such as management of prost radical prostatectomy incontinence, indications for UDS and surgical and non-surgical management of BPH.



Dr. Gomella at Congreso Nacional de Urología 2019

Dr. Leonard Gomella was a guest speaker at the Congreso Nacional de Urología 2019 held in Merida, Mexico on November 15 and 16, 2019. The talks centered on the latest developments in advanced prostate cancer and highlighted the multidisciplinary approach to the management of prostate cancer at Jefferson's Sidney Kimmel Cancer Center.



Indian Medical Students Rotate on Urology

Working with Dr. Richard Derman, Jefferson's Associate Provost for Global Affairs, and Jefferson's India Center we continue our involvement with the Department of Urology and the KLE Medical School in Belgaum, India. We were pleased to host two medical students for a rotation during the summer of 2019. Pictured are KLE medical students Tanvi Gizare and Nischita Bellad with SKMC students and urology residents participating in an operating room urology equipment orientation.



Dr. Lallas Speaks at Mexican Society of Oncology

Dr. Lallas participated in the Genitourinary Oncology section of the Mexican Society of Oncology (SMEO) annual meeting held in Merida, Mexico from November 4-6, 2019. He gave two separate presentations, one on Upper Tract Urothelial Carcinoma and the other on Surgical Management of Renal Cell Carcinoma. He also participated in a panel on management of genitourinary cancer. His participation was sponsored by Philadelphia International Medicine (PIM). Dr. Lallas's lecture was translated for the Mexican oncology audience.



Dr. MJ Counsilman PGY 5 in Uganda

Dr. May Jean (MJ) Counsilman, current PGY5 urology resident, received a 2019 IVUMed Traveling Resident Scholarship and was selected to go to a two-week trip to Uganda in November. Under the mentorship of Dr. Eric Richter, urologist and IVUMed board member, she assisted in and performed a total of 48 surgeries in two weeks in Fort Portal Regional Referral Hospital and Mount Elgon Hospital in Uganda, sponsored by the Mid Atlantic AUA. The majority of surgeries were largely related to BPH and urethral stricture disease, including TURPs, open simple prostatectomies, and urethroplasties. They worked closely with local surgeons, residents and students, and truly supported IVUMed's mission of "teach one, reach many." Pictured is Dr. Fred Kirya, a local urologist (middle) performing a urethroplasty with Dr. Edwin Musinguzi a general surgeon (left) and Dr. MJ Counsilman urology resident (right).



Dr. Shah, Dr. Bani-Hani and A.I. duPont Hospital for Children Team in Peru



Dr. Mihir Shah, 2019 Chief resident, operating in Peru with Dr. Ahmed Bani Hani. Clinical Associate Professor of Urology and Pediatrics at A.I. duPont Hospital, our pediatric affiliate.



Dr. Bani Hani and his team on site in Coya, Peru with Dr. Mihir Shah at the top of the steps.

Dr. Mihir Shah, graduating 2019 Chief Resident, joined Dr. Bani Hani and rest of the A.I. duPont and Nemours pediatric urology and nephrology team on their medical and surgical mission trip to Coya, Peru. Coya is a small village in the heart of Sacred Valley, home of the Inca civilization, about an hour from Cusco, Peru. The team saw about 100 pediatric patients at the Kuasay Wasi clinic over a course of four days, as well as performed roughly 25 pediatric urologic surgeries. The team treated patients with several common pediatric urologic conditions, such as pathological phimosis, undescended testicles, voiding dysfunction, UTIs, as well as a few more complex conditions such as hypospadias and neurogenic bladder secondary to spina bifida. Patients traveled for up to 15 hours to seek urologic care. The team performed circumcisions, orchiopexies, buried penis repair, as well as failed hypospadias revision. Additionally, Dr. Shah saw numerous adult urology patients, mostly with BPH, SUI, elevated PSA, and recurrent UTIs. Dr. Shah stated, "This experience was truly life-changing and unbelievably rewarding. These patients previously had no access to urologic care and were incredibly grateful for our evaluation. Patients not only traveled from near and far but some also waited almost 12 months in anticipation of our trip to have their problems evaluated. Additionally, I learned how to maximize our medical resources and improvise at times without compromising patient care. I can't wait to go back one day. Thank you, Drs. Bani Hani, Gomella and Shenot for giving me this opportunity."

Dr. Hong Truong Chief Resident in Rwanda

(As told by Dr. Truong)

Over the week of Thanksgiving 2019, I had the privilege of traveling to Kigali, Rwanda, with Dr. Kelvin Moses from Vanderbilt University to assist during a urologic oncology workshop at King Faisal Hospital. While many people may only know Rwanda for the genocide in 1994, the country I visited is full of vitality, eager to move beyond its past, and is on an upward economic and social development trajectory. The country boasts a declining poverty rate, has banned plastic bags, provides free and obligatory education, and offers universal access to basic health insurance with an emphasis on preventative care. Life expectancy in Rwanda has steadily increased, more than doubling over the past 20 years, with the most recent 2018 data showing life expectancy at birth of 67 years. With the overall population living longer, combating the mortality and morbidity of cancer, especially prostate cancer, has become a priority for the Ministry of Health.

King Faisal Hospital is the largest referral hospital and one of the major cancer centers in Rwanda. Throughout four working days, we evaluated patients with prostate and bladder cancers who were previously triaged by the host urology team. Unlike the United States, about half of the patients we saw already had advanced diseases. Our operations included diagnostic cystoscopy, transurethral resection of bladder tumors, exploratory laparotomies, and open retropubic radical prostatectomies. Dr. Moses operated with a different Rwandan attending urologist for each case. A local, senior urology resident and I assisted with the operation and helped the scrub-tech prepare the instruments for the procedure. The operating room was often packed with urology residents and medical students watching the case over our shoulders. On the fifth day, I gave a grand round talk to the local urology team on prostate

cancer. Both attending urologists and residents were engaged, providing lively discussion on operative techniques, management of intraoperative complications, and treatment of post-operative side effects.

At present, there are only ten urologists in Rwanda to serve a population of approximately 12.6 million people. Despite the implementation of a national screening program for prostate cancer, prostate cancer mortality remains high because many men do not undergo screening until they develop lower urinary tract symptoms. Urologists in the country are still training to diagnose and manage urologic malignancies, and are paving the way for urological care in Rwanda. I am deeply grateful that IVUmed, the Society of Urologic Oncology trip sponsor, and my residency program at Thomas Jefferson University Hospital made it possible for me to participate in this surgical and cultural exchange program. I treasure the opportunity to learn from the urology team in Rwanda. Their resourcefulness in providing quality surgical care despite limited resources inspires



Dr. Hong Truong participating in surgery in Rwanda.

and challenges me to think about the cost-effective utilization of resources at home. I further envision a career in urologic oncology that expands beyond research and patient care at home. I hope to continue to bring quality urologic care and education to low resource communities abroad, building friendships and strengthening relationships through the exchange of knowledge.



Dr. Gomella donated several *Five-Minute Urology Consult* books for Dr. Truong to give to colleagues at King Faisal Hospital Kigali, Rwanda. She is seen here along with local colleagues and mentor Dr. Kelvin Moses from Vanderbilt University.

AUA 2019 Chicago, Illinois

AUA 2019 chicago

PODIUM SESSION
ROOM W184D

Friday, May 3

PD04
Surgical Technology & Simulation: Instrumentation & Technology I

PD08 9:30
Surgical Technology & Simulation: Instrumentation & Technology II

..... Non-invasive I

..... Non-invasive II

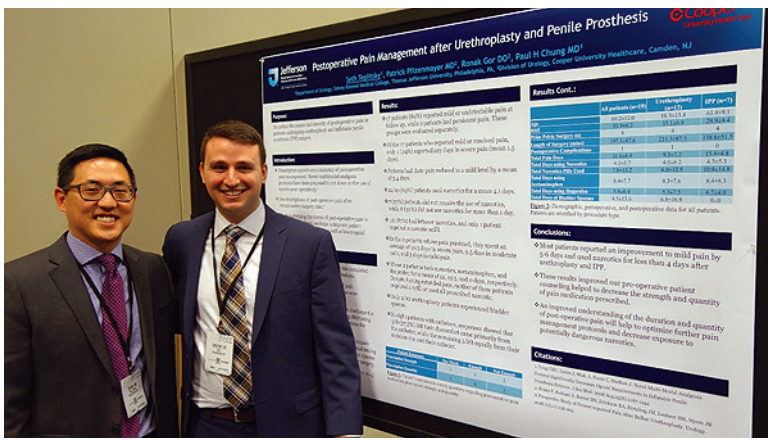
May 4



Jefferson urology faculty participated in several AUA 2019 Plenary sessions. This session on genetic testing for prostate cancer with Dr. Gomella was chaired by SKMC (Jefferson Medical College) graduate Dr. Ganesh Raj who is now on the faculty at UT Southwestern in Dallas.

Dr. Scott Hubosky and JY Leong (SKMC 2020) after JY's podium presentation on single-use digital ureteroscopes.





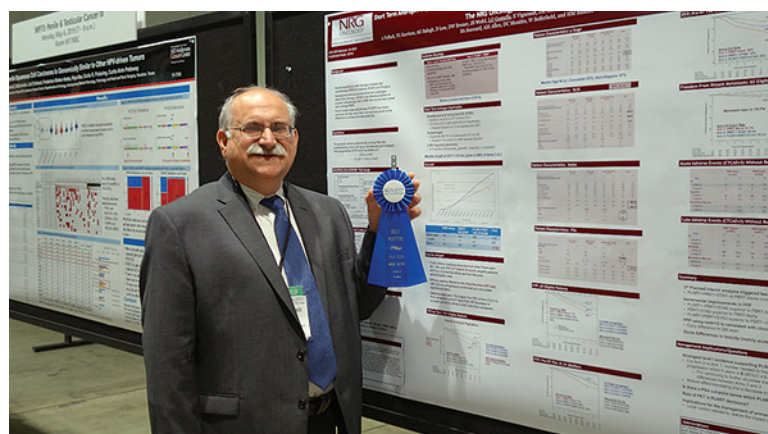
Seth Teplisky (SKMC 2020) with Dr. Paul Chung at their poster on pain management after penile surgery.



A highlight of the AUA is interacting with the various philanthropic supporters of our training programs. Dr. Thenu Chandrasekar presented his year of fellowship experience to the Bard BD leadership team who attended the AUA meeting.



The Jefferson Alumni and *Canadian Journal of Urology International* reception attendees included Drs. Jim Stefanelli, Costas Lallas, Rob Ramey and David Rivas.



Dr. Leonard Gomella received a first-place ribbon for a poster presented on behalf of NRG Trial 0534 on which he serves as Urology PI.

List of Jefferson presentation and courses:

Hands-on Urologic Ultrasound: Edouard Trabulsi

Gomella LG: Evolving Role of the Urologists in Metastatic and Advanced CRPC: A Guidelines and Case-Based Discussion Joint AUA/SUO Program

Teplitsky S, Gor R, Chung PH: Postoperative Pain Management after Urethroplasty and Inflatable Penile Prosthesis

Leong JY, Truong H, Teplitsky S, Calio B, Hubosky SG, Bagley DH: Comparison of the VPU and Laptop Adaptor Device with Single-use Digital Flexible Ureteroscopy

Advanced Ureteroscopy: Overcoming Challenging Problems: Demetrius Bagley and Scott Hubosky

Teplitsky S, Chandrasekar T, Perez T, Guo J, Syed A, Shenot P, Das A: Transient stress urinary incontinence post-Holmium laser enucleation of the prostate: A single-surgeon experience

Resident's Bowl: Andrew Pridjian Panelist

Teplitsky S, Shenot P, Das A: Incidental detection and treatment of prostate cancer after holmium laser enucleation of the prostate: A large cohort analysis

Genetic Testing in PCa: Understanding clinical implications for early detection, localized disease & CRPC. Leonard Gomella.

Chemotherapy and Immunotherapy Options for Genitourinary Malignancies: A Primer for Urologists and Advanced Practice Providers. Costas Lallas, Edouard Trabulsi, Anne Calvaresi

Patients receiving ADT for Prostate Cancer: Managing Side Effects Podium presented by: Hong Truong for Anne Calvaresi

Panel Discussion (SBUR/SUO) Edouard Trabulsi

Chandrasekar T, Leong JY, Tham E, Teplitsky S, Lallas C, Gomella L, Trabulsi E: Incorporating mpMRI Biopsy Data into Established Pre-RP Nomograms: Potential Impact of an Increasingly Common Clinical Scenario

AUA2019 Grand Debate: Mihir Shah

Chandrasekar T, Leong JY, Gross L, Hegarty S, Gomella L, Giri V: Cascade Testing of Men with Prostate Cancer in Families with a spectrum of Inherited Cancers: Importance of Attention to Race

PER Satellite Symposium - Bladder Cancer Working Group: Leonard Gomella

General & Epidemiological Trends & Socioeconomics, Quality Improvement & Patient Safety III. Podium Moderator: Edouard Trabulsi

Next Frontier, Plenary Session (Malignant) Leong JY: Improved Detection of Indeterminate Renal Mass Vascularity with Superb Microvascular Imaging

Pollack A, Karrison TG, Balogh AG, Low D, Bruner DW, Wefel JS, Gomella LG, Martin AG, Michalski JM, Angyalfi SJ, Himanshu L, Faria S, Rodrigues GB, Beauchemin MC, Lee J, Seaward SA, Ahron AM, Monitto DC, Seiferheld W, Sandler HM: Improvements in Freedom from Progression with short term ADT and Pelvic LN Treatment added to prostate bed salvage radiotherapy: The NRG Oncology/ RTOG 0534 SPPORT Trial Presented by: Leonard Gomella (AWARDED FIRST PLACE IN POSTER SESSION)

Panel Discussion: Biomarkers in Prostate Cancer: Leonard Gomella

APP Integration: Finding the Best Applicant and Recreating an APP urology fellowship in a private practice setting: Anne Calvaresi

The Department of Urology maintains an active portfolio of educational conferences throughout the year geared for all levels of students, residents and attendings.

WEEKLY MEETINGS:

Tuesday 6:30 AM
Teaching Rounds:
West Atrium Gibbon Building

Tuesdays 8:00-9:00 AM
GU MDC Clinical Trials
Review Meeting Medical
Oncology Conference room
7th Floor College

Wednesday 7:30 AM
Pathology and SKCC GU
MDC Pre Conference:
Second Floor Main
Pathology Conference
Center (CME Certified)

Thursday 6:30 AM
Residents Didactic
Conference: Urology
Conference Room 11
College

Thursday 7:30 AM
Grand Rounds/Monthly
M&M: Urology Conference
Room 11 College (CME
Certified with Remote
Access)

MONTHLY MEETINGS:

2nd Wednesday 6:00-8:00 PM
Journal Club: Urology
Conference Room 11
College (CME Certified)

3rd Wednesday 6:00-8:00 PM
Board Review: Hosted by
Dr. Ilia Zeltzer: Urology
Conference Room 11
College

ANNUAL MEETINGS:

Visiting professor programs are held several times a year (see page 18 and back cover).

Two major Jefferson Urology CME meetings are held annually: Jefferson Urology Symposium in January or February and the Avalon Symposium on a Saturday in September. Summaries of our two major 2019 Departmental meetings are listed here.

Jefferson Urology Meetings

Urology Symposium in Avalon 2019

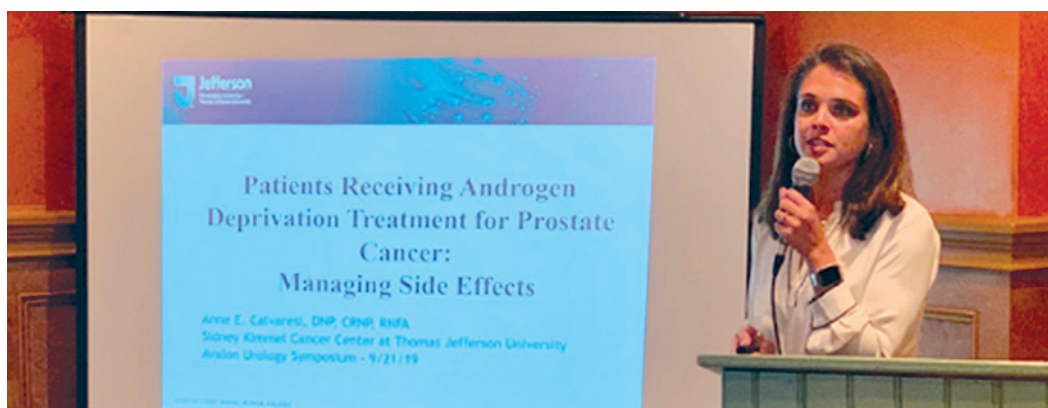
The 24th Urology Symposium in Avalon (USiA) was held on September 21, 2019, and co-directed by Drs. Demetrius Bagley and Paul Chung. The conference has long been a model for interprofessional education and provided updates on urologic topics of wide interest and presentations on the newest developments. The 70 attendees included faculty, practicing urologists in the community, residents, nurses, students, and medical and administrative staff from Jefferson and other hospitals.

Guest faculty included Michael Grasso, MD from Phelps Hospital/ Northwell Health (Jefferson Urology '92), Michael Fabrizio, MD from Urology of Virginia (Jefferson Urology '98), Kymora Scotland, MD PhD from UCLA (Jefferson Urology '17) and Mary Stephens MD from Jefferson's Continuing Care Program in the Department of Family Medicine.

Participating Jefferson faculty included Thenappan Chandrasekar

MD, Scott Hubosky MD, Patrick Shenot MD, Perry Weiner DO, and Anne Calvaresi, NP, RNFA, DNP. JY Leong and Seth Teplitsky, the 2018-2019 Jefferson Urology Research Scholars, also presented work from their research year with the department.

Talks encompassed endoscopic managements of bladder and upper tract malignancies, prostate cancer active surveillance, management of side effects from androgen deprivation therapy, and BPH treatments. A special segment focused on the medical and urological transition of patients with intellectual and developmental disabilities from adolescence to adulthood. The keynote lecture provided by Dr. Fabrizio provided an in-depth look into the similarities and differences between academic and independent large urology group practices. USiA will be held again on September 12, 2020. Please join us next year and look out for related announcements.



Anne Calvaresi, DNP, CRNP, RNFA (top), and Dr. Pat Shenot were two of the 2019 Avalon speakers.

2nd Annual Jefferson Urology Symposium: Emerging Technologies for the Treatment of BPH

In the past few years, there has been significant advances in the surgical and procedural management of BPH. These advancements in technology are reflected in the changes of the current and newly updated AUA surgical guidelines for BPH. The recent development of procedures, such as prostatic urethral lift (PUL) devices and intra-prostatic steam thermotherapy, have changed the strategies in the minimally invasive therapy (MIT) options offered to patients for office-based procedural management of BPH. The advancement of endoscopic techniques, such as holmium laser enucleation of the prostate (HoLEP), are quickly replacing the previous gold standards of BPH management, which include transurethral resection of the prostate (TURP) and for very large glands, open simple prostatectomy.

In addition, new technologies, such as aquablation therapy of the prostate, are gaining ground in development and may play as an important minimally invasive therapy option for patients seeking alternative therapies for BPH.

Our second annual CME certified Jefferson Urology Symposium on Emerging Technologies for the Treatment of BPH was held on February 1, 2019 led by our Department of Urology CME Director Dr. Akhil Das. The program focused on the instrumentation, techniques, and results of these treatment modalities that have changed the urologist's approach for the surgical management of BPH. These topics were presented and discussed in the symposium at Jefferson via an integrative didactic session from

internationally recognized experts on these emerging technologies, as well as a hands-on lab session to familiarize participants of this course with these newer surgical techniques. The symposium proceedings were published as a special supplement in the August 2019 issue of the *Canadian Journal of Urology International*.

Our distinguished visiting faculty included Drs. Claus Roehrborn (Urology Chair UT Southwestern, Dallas, TX), Mitchell Humphries (Mayo Clinic, Scottsdale, AZ) and Jaspreet Sandhu (Memorial Sloan Kettering, New York, NY). Our 3rd Annual Jefferson Urology Symposium is set for Friday February 7, 2020, with the theme of Men's Health (details on back cover).



Inset: Jefferson Urology Symposium 2019 faculty included (left to right) Drs. Jaspreet Sandhu, Mitchell Humphries, Claus Roehrborn and Program Chair Akhil Das.

Hands-on labs are a feature of the annual Jefferson Urology Symposia.

2019 GU ASCO Meeting

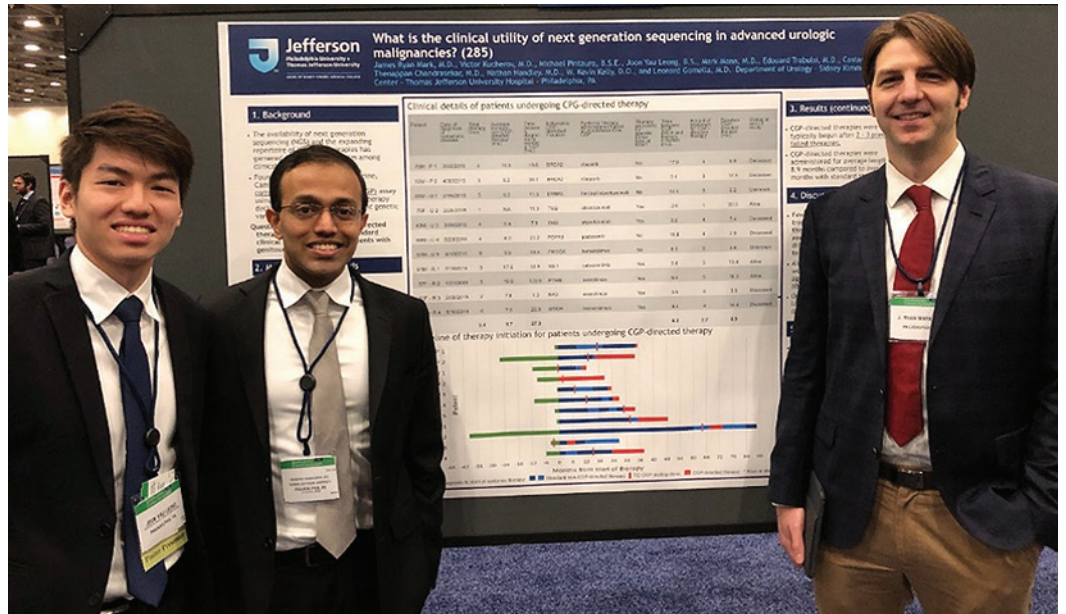
At the **2019 GU ASCO meeting** February 2019 in San Francisco, the Department of Urology and the SKCC were well represented. Some highlights of the meeting included the following presentations:

General session on Quality, Value, and Science for Optimizing Advanced Prostate Cancer Treatment was Co-Chaired by Dr. Karen E. Knudsen

Questioning the status quo: Should Gleason 3+3=6 PCa be considered a “negative score” for pre-RP risk nomograms? Presented by: JY (JoonYao) Leong

Incorporating mpMRI Biopsy data into established pre-RP nomograms: Potential impact of an increasingly common clinical scenario. Presented by: JY Leon

Cascade testing of men with prostate cancer in families with a spectrum of inherited cancers: Importance of attention to race. Presented by:



JY Leong (SKMC 2020) with Drs. Thenu Chandrasekar and Ryan Mark at our Jefferson poster discussing next generation sequencing in urologic malignancies presented at GU ASCO 2019.

Thenappan Chandrasekar, MD
What is the clinical utility of next generation sequencing (NGS) in advanced urologic malignancies?

Presented by: James Ryan Mark, MD
The oral abstract session was moderated by Kevin Kelly, DO



The 84th annual meeting of the Southeastern Section of the AUA was held in Phoenix in March 2019. Dr. Gomella was the invited Ballenger Lecturer. His topic was “Identification of Inherited Prostate Cancer Risk.” Pictured with Dr. Gomella are SE AUA President Dr. Scott Sellinger and Program Chair Dr. Duke Herrell.

2019 SUFU Winter Meeting

featured three Jefferson urologists serving as faculty at the Society of Urodynamics, Female Pelvic Medicine and Urogenital Reconstruction (SUFU) meeting was held in Miami from February 26 to March 2, 2019. **Dr. Patrick Shenot** served as director for a breakout session on “Recurrent Urinary Tract Infection and Neurogenic Bladder.” **Dr. Alana Murphy** gave an invited lecture on “Management of Anticoagulation

in Female Pelvic Surgery.” **Dr. Akhil Das** presented “Holmium Laser Enucleation of the Prostate (HoLEP)” as part of an expert panel discussion of “Individualized Treatments for BPH.” We are very proud that our Jefferson trainees made a total of seven presentations of scientific abstracts at this meeting.

Seth Teplitsky, 2018-2019 Jefferson Urology Scholar and current SKMC senior student, presented the following:

“Evaluation of Transgender Preparedness in an Outpatient Clinic” and “Use of Next Generation DNA Sequencing to Evaluate the Biome of Urological Prosthetics: A Pilot Study” under the mentorship of **Dr. Paul Chung**.

“Female Pelvic Medicine and Reconstructive Surgeon and Their Relationship to Industry: Analysis of Sunshine Act Open Payments from 2014-2017 with **Dr. Patrick Shenot**.”

“Prostate Reducing Surgery after UroLift: Technical Risks of Holmium Laser Enucleation of the Prostate (HoLEP) versus Transurethral Resection of the Prostate (TURP)” and “Outcomes of Diode Laser Enucleation of the prostate for Benign Prostatic Hyperplasia” with Dr. Das.

Alex Uhr, MD, current PGY4 presented “Follow-up Experience with Telemedicine Visits in Female Urology Patients” with Dr. Deborah Glassman.

Mihir Shah, MD our recent Chief Resident graduate, presented “Factors Contributing to Holmium Laser Enucleation of the Prostate Incompletion” with Dr. Akhil Das.

AUA Chicago

The AUA Annual meeting in Chicago in May 2019 was a busy time for members of our Department. See the full meeting report on page 40.

Other Meetings

Dr. Deborah Glassman presented her telehealth research at the October 2019 **American College of Surgeons** in San Francisco, CA. Her podium presentation about patient satisfaction with telehealth visits was well received by the audience in the GU section.

Dr. Paul Chung participated in the **Société Internationale d’Urologie** meeting in Athens, Greece in October, 2019. He was invited to present on innovations in the field of reconstructive urology.

Dr. Gomella was an invited lecturer at the **“Precision Oncology: A Black Health Matters Summit,”** at the Philadelphia Convention Center. This medical symposium was tailored to meet the needs of African American patients, caregivers and gatekeepers interested in expanding information and clinical trials opportunities for their community. Black Health Matters will work with Kappa Alpha Psi Fraternity to replicate this program in key markets where the need is the greatest.

The annual **Mid-Atlantic Section of the AUA** meeting was held at the Kalahari Resort & Convention Center in Pocono Manor, PA October 24-26,

2019. The turnout and representation by TJUH faculty and staff was superb. In addition to Drs. Akhil Das, Alana Murphy, Paul Chung and Ryan Mark serving as moderators and active participants in the scheduled programs, the Department had 12 abstracts presented by faculty, residents and medical students. Dr. Ed Trabulsi presented two abstracts (poster and podium) on work from the collaborative LOCATE study, focusing on 18F-Fluciclovine PET/CT use in prostate cancer. Dr. Deb Glassman presented on her ongoing work with the use of telemedicine in our Urology practice. Dr. Thenu Chandrasekar presented work on the utilization of Twitter in Urology within the section and throughout the United States and

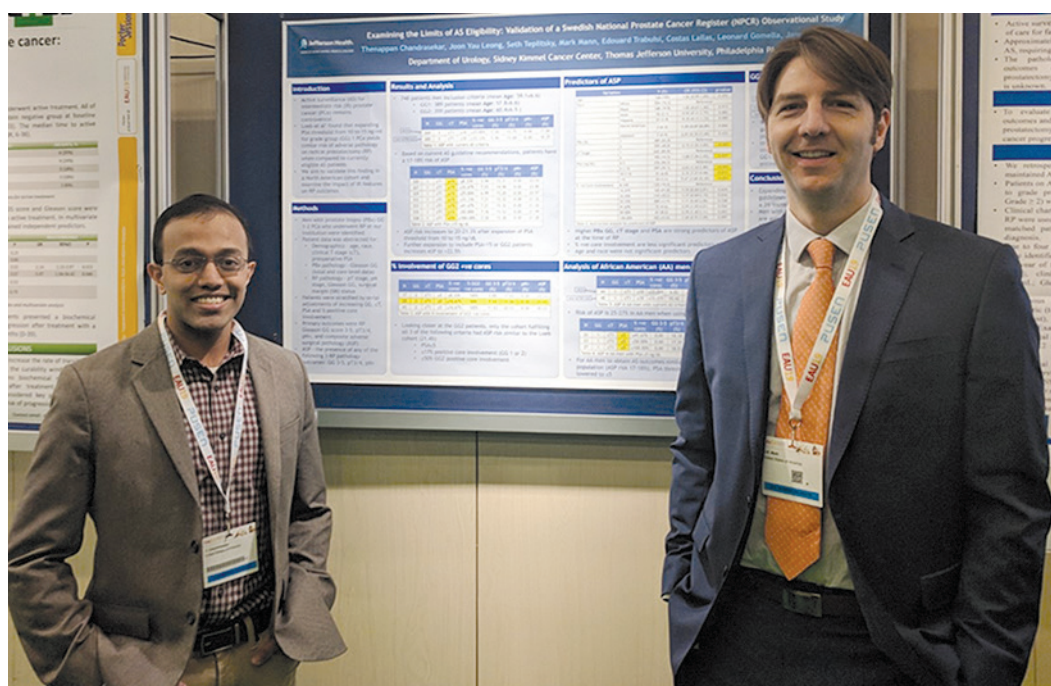
Canada. Dr. Paul Chung presented interesting early data on the use of contrast-enhanced ultrasound for urethral stricture disease. In addition, Chief Resident Dr. Hong Truong, SKMC student Nicholas Bowler, and our Jefferson Urology Scholars Joon Yau Leong, and Timothy Han did a great job presenting posters and video abstracts.

New York Medical College in Westchester, New York, hosted two Jefferson urology faculty for their urology grand rounds. Dr. Gomella presented an update on the role of genetic testing for prostate cancer in September 2019. In November 2019, Dr. Das lectured on “Current Minimally Invasive Techniques for the Surgical Management of BPH.”

2019 Annual European Association of Urology (EAU) Congress

The 2019 **Annual European Association of Urology (EAU) Congress** was held in Barcelona, Spain, between March 15 and 19, 2019. This year, we had two faculty members who were able to attend and present collaborative work with international partners. Drs. Thenu Chandrasekar and J. Ryan Mark presented an abstract titled, “Examining the Limits of AS Eligibility: Validation of a Swedish National Prostate Cancer Register (NPCR)

Observational Study,” in which they utilized TJUH institutional data on radical prostatectomy patients to examine the limits of AS eligibility and correlate with adverse surgical pathology. The presentation was highlighted by *UroToday*. (www.urotoday.com/conference-highlights/eau-annual-congress-2019/eau-2019-prostate-cancer/110922-eau-2019-examining-the-limits-of-as-eligibility-validation-of-a-swedish-national.html)



Drs. Thenu and Ryan presenting a poster on prostate cancer active surveillance at EAU in Barcelona, Spain.

Meeting and Conference Updates

AUA Office of Education Courses

Faculty members in the Department of Urology are active participants in the AUA Office of Education Educational courses. Some of the 2019 programs included the following:

Lallas CD, Calvaresi AE and Trabulsi EJ Chemotherapy and Immunotherapy for Genitourinary Malignancies: A Primer for Urologists and Advanced Practice Providers. AUA annual meeting IL May 3, 2019

Hubosky S. Bagley DH Advanced Ureteroscopy: Overcoming Challenging Problems. Ureteroscopic Management of Upper Urinary Tract Obstruction and Avoidance of Complications during Ureteroscopy. Instructional Course 008 AUA national meeting Chicago, IL May 3, 2019

Gomella, LG Genetic Testing in PCa: Understanding clinical

implications for early detection, localized disease & CRPC. Instructional Course 131C AUA annual meeting Chicago, IL May 3, 2019

Gomella, LG. Evolving Role of the Urologist in Metastatic and Castration Resistant Prostate Cancer: a Guidelines and Case based Discussion presented by the American Urological Association (AUA) in partnership with the Society of Urologic Oncology (SUO) May 2, 2019 Chicago, IL and December 3, 2019 Washington, D.C.

Gomella, LG. AUA Fundamentals in Urology June 7-9, 2019 Indianapolis, IN

Dr. Gomella participated in these regional and national programs in 2019

International Prostate and Bladder Cancer Update Beaver Creek, CO Society of Government Service Urologists (SGSU) 66th Kimbrough Annual Meeting Kona, Hawaii.

2019 AIUM (Ultrasound) Convention, and SUNA National Meetings Orlando Florida

New York GU™: 12th Annual Interdisciplinary Prostate Cancer Congress. March 15-16 New York, NY Course Co-Director

Grand Rounds at Lankenau, Watson Cancer Center, Florida, Peninsula Regional Medical Center, Salisbury

Black Health Matters Precision Oncology Summit in Collaboration with the Kappa Alpha Psi at the Philadelphia Convention Center.

CME Event at Fox Chase Cancer Center

Dr. J. Ryan Mark was an invited speaker and panelist at a CME event on October 29, 2019, organized by Drs. Kutikov and Geynisman

at Fox Chase Cancer Center. In his discussion titled, "Updates in Non-Muscle Invasive Bladder," he highlighted Jefferson Urology's

experience with new diagnostic tools and forthcoming treatments, as well as important clinical trials currently available at TJUH.



Resident and Fellow News

Congratulations to our graduating chief residents and Endourology and Robotic Fellow who were honored at our 2019 DM Davis Graduation banquet (see page 18):

Dr. Thenu Chandrasekar has accepted a position as assistant professor in the Department of Urology at Jefferson.

Dr. James Steward matched with an endourology fellowship program at Indiana University School of Medicine.

Drs. Mihir Shah and Andrew Pridjian both matched as Endo/Robotic Fellows with Dr. Indy Gill at University of Southern California in Los Angeles. Two fellows at the same program is a first for us.

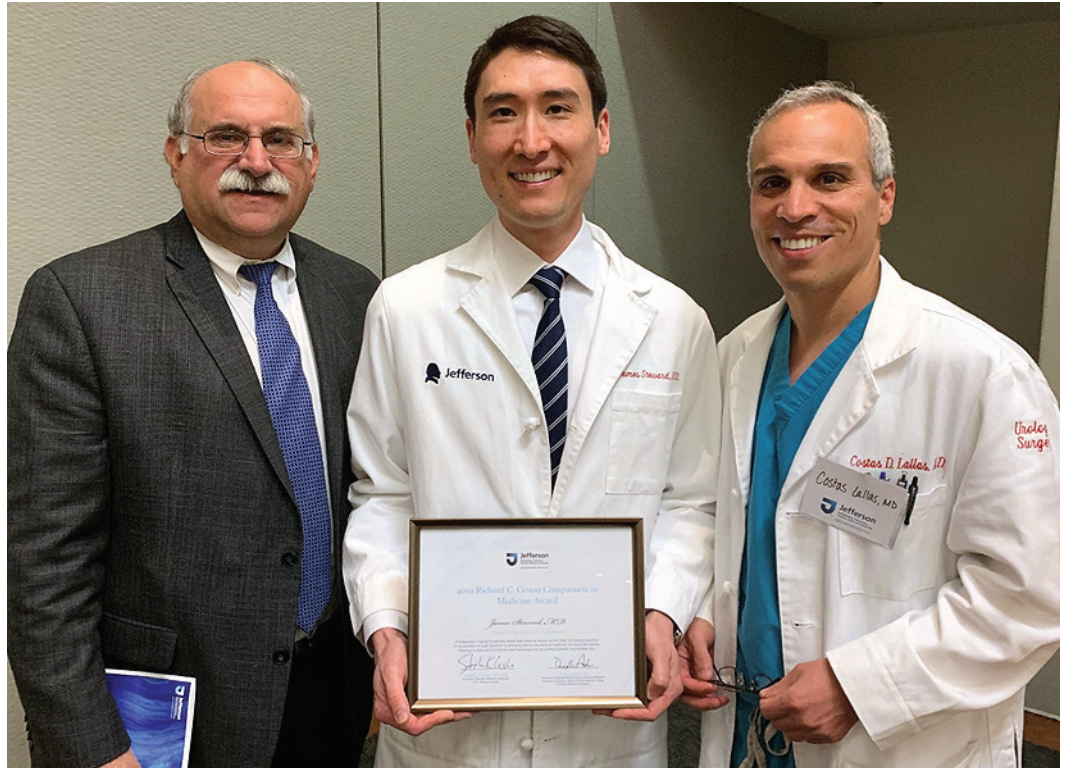
Our residents have been busy with international medical missions in Peru, Rwanda and Uganda (see pages 37-39).

Dr. James Steward, 2019 graduating chief resident was a recipient of the Richard C. Gozon Compassion in Medicine award.

The 2018-2019 recipient of the Max Koppel MD, MPH award was Dr. Victor Kucherov, PGY4 in the Department of Urology. The award, seen here given by Dr. Koppel and Residency Program Director Dr. Pat Shenot acknowledges Academic Excellence in the annual Urology in service exam.

Congratulations to PGY5 resident Dr. Thomas Hardecker on receiving an Honorable Mention Award for one of the top ten posters in the TJUH Housestaff QI/Safety Poster Contest. There were a total of 81 posters submitted. The poster was titled, "Application of Alvimopan as a component of Enhanced Recovery after Surgery Protocol for Patients undergoing Radical Cystectomy and Diversion".

Congratulations to Dr. MJ Councilman (PGY5) on her 2019 induction into the Gold Humanism Honor Society Residency Chapter of Thomas Jefferson University.



Drs. Gomella, Steward and Lallas at the Compassion in Medicine presentation ceremony.



Pictured left to right are Drs. Koppel, Victor Kucherov, and Pat Shenot.

Welcome to 2019-2020 Endourology Society Fellow Dr. Katherine "Kate" Smentkowski. Kate completed her urology training at EVMS in Norfolk Virginia. Her fellowship will focus on robotic surgical techniques.



Jefferson Urology Society

The Jefferson Urology Society is a student-run organization that provides medical students with the opportunity to learn more about the exciting and dynamic field of Urology. The goal of the society is to promote interaction among students, residents and faculty via informational sessions, research, shadowing opportunities and charitable events. The organization also works to provide interested students with faculty mentors who serve as role models and advisors for students, who are interested in pursuing a career in Urology. SKMC boasts one of the highest numbers of students who match in Urology in the United States. According to **Dr. Costas Lallas**, Faculty Advisor, "The Jefferson Urology Society is an effective way to introduce students to our Urology specialty early in their medical school careers. It also engages students at all levels with faculty mentors who can guide students in research, rotation electives and ultimately residency program selection." Any questions or comments can be directed to urology.society@jefferson.edu.

The 2019-2020 Jefferson Urology Society Officers for 2019-2020 are:

President:
Seth Teplitsky (SKMC 2020)

VP of Clinical Urology:
Courtney Capella (SKMC 2020)

VP of Urological Research:
Joonyau Leong (SKMC 2020)

Secretary:
Spencer Liem (SKMC 2020)

Treasurer:
Nicholas Bowler (SKMC 2021)

Upperclass Liaisons:
Andre Alabd (SKMC 2020),
Hamza Rshaidat (SKMC 2020)

Underclass Liaison:
Vishal Swaminathan (SKMC 2022)

Faculty Advisor:
Costas Lallas, MD (JMC 1998)

The Jefferson Urology Society sponsors a series of annual events that bring together different medical class years, urology residents and faculty.

Urology General Interest Meeting

Hosted each year by Dr. Pat Shenot, Deputy Chair and Residency Program Director, and urology residents, this program exposes students to the

field of Urology covering the scope of Urologic diseases and treatments (both medical and surgical) in Urology practice. It answers basic questions concerning training, lifestyle, compensation and day-to-day activities of urologists.

Prostate Cancer Screening

Students from the Society assist in preparation and execution of the annual men's health and prostate screening held during Prostate Cancer Awareness Month each September.

Robotic Lecture/Demonstration

Students receive a lecture on the history of robotic surgery in urology followed by a hands-on demonstration of the da Vinci robot in a Jefferson operating room. Students get the rare chance to sit behind both the robot simulator, as well as the actual operating console of the robot.

Father's Day Run

Students participate in the annual 5k spring run, raising money and awareness for prostate cancer in the Philadelphia region. Students help man the Jefferson Kimmel Cancer Center table distributing information during the event, as well as represent

Jefferson Urology by participating in the run or walk.

Urology Post-Match Panel

This is an annual panel of 4th year students after completion of their urology residency match. This affords current medical students the opportunity to ask questions and gather advice on the application process. Since Urology is one of the few specialties with an early match, this usually takes place before the general match in the spring.



Jefferson Urology Society with Dr. Lallas during robotic surgery demonstration

Urology and the New JeffMD Curriculum

Sidney Kimmel Medical College has recently converted its medical school curriculum to a case-based, as opposed to problem-based format. The curriculum is called JeffMD. In doing so, SKMC educators have split the four-year medical school experience into three separate phases. Phase 1 incorporates the preclinical years (historically the first two years of medical school) and culminates in the students taking USMLE Step 1. Phase 2 and Phase 3 are the conventional third and fourth years of medical school, respectively, and the content has not dramatically changed, with the basic clinical clerkships in Phase 2 and advanced clinical experience in Phase 3. **Dr. Costas Lallas**, Urology Vice Chair for Education, has been actively engaged in the design of the new JeffMD Curriculum.

Urology used to have a prominent role in both Phases 2 and 3, serving as a three-week elective in the Surgery clerkship in Phase 2 and a dedicated four-week immersive sub-internship in Phase 3. This has not changed. However, by switching to a case-based curriculum, SKMC is now infusing a heavier clinical exposure into the first two years of medical school. Accordingly, Urology has a prominent role in Phase 1 of JeffMD. The fifth eight-week block of JeffMD Phase 1 is the Endocrine-Gyn-Urology block and contains a dedicated urology week of cases, lectures, labs, and assessments. Eight of our current clinical faculty are involved in lecturing the entire SKMC class in a variety of basic urology topics, including voiding function, pharmacology, oncology, nephrolithiasis, embryology, pathology, transgender medicine, erectile function, and fertility. This has substantially increased the exposure of SKMC medical students to our clinical department and the specialty of Urology, and highlights our dedication to SKMC undergraduate medical education.

Dolores Shupp Byrne, PhD Senior Urology Student Award

This urology student award is given annually to a graduating SKMC senior student who has matched in Urology and has demonstrated excellence in clinical or research activities in the Department of Urology. The award is named for longstanding urology faculty member **Dr. Dolores Byrne**, who has dedicated her career to undergraduate medical education and student mentorship. The award is based on nominations and voting by the faculty in the Department. The 2019 award recipient is Dr. Jenny Guo, who is currently a Urology resident at Northwestern University in Chicago.

Dr. Dolores Byrne (l) and Dr. Leonard Gomella present SKMC graduating senior Dr. Jenny Guo with the Dolores Byrne Senior Award in Urology.



JeffMD
a Curriculum for
Continuing Excellence

2019 Urology Match Results

Dr. Pat Shenot, Residency program director, reports that Jefferson Urology received 342 applications for three available residency positions through the 2019 SAU/AUA Urology Residency Match. We were delighted to welcome these new Interns this past year:

Brian Calio, MD, Sidney Kimmel Medical College of Thomas Jefferson University Dr. Calio, a Delaware native, is a graduate of the University of Delaware with honors in Biologic Sciences. He has an extensive background in clinical research. He served as one of the Doris Duke Fellows at the Urologic Oncology Branch at the NCI from 2016 to 2017. His passion for research continued after that experience and we were pleased to appoint him as our first "Bard Scholar in Urology" for the 2017-2018 academic year.

Halle Foss, MD, Medical College of Wisconsin, a Minnesota native, is a graduate St. Olaf's College in Northfield, MN in Biology. She is an avid hockey fan and supporter of the Minnesota Wild.

Radhika Ragam, MD, Rutgers New Jersey Medical School, a New Jersey native, is a graduate of The College of New Jersey (TCNJ) in Biology through the seven year Combined BS/MD program with Rutgers New Jersey Medical School. She is an avid golfer.

We had another spectacular year matching 100% (9/9) SKMC seniors into Urology. We have traditionally had one of the highest numbers of seniors of any school in the United States entering urology and the same was true this year. Four percent of all United States seniors who matched into urology were from SKMC (9/245). Per Dr. Charles Pohl, Vice Dean of Student Affairs, "Once again, I and the rest of the Dean's office thank and applaud Drs. Shenot, Lallas, Gomella and the rest of the faculty, who have provided enormous time and meaningful advice to SKMC students entering the highly competitive Urology match process."

Talia Stark, MD
Mount Sinai Medical Center (NY)

Michelle Chen, MD
Albert Einstein Medical Center Program (NY)

Michael Pintauro, MD
Univ. of Pittsburgh Medical Center (PA)

Joseph Baiocco, MD
Mount Sinai Medical Center (NY)

Jenny Guo, MD
Northwestern University Feinberg School (IL)

Jennifer Nauheim, MD
Einstein/Montefiore Hospital (NY)

Graham Hale, MD
University of Illinois at Chicago (IL)

Brian Calio, MD
Thomas Jefferson University (PA)

Benjamin Cedars, MD
Univ. of California, San Diego (CA)

Best Wishes to Dr. Larry Goldstein

Dr. Goldstein retired from the Department of Urology in the summer of 2019. He originally joined Jefferson Urology in 1998, when his South Philly practice with Dr. Weiner merged with Jefferson. Larry is looking forward to travelling with his wife, Shelly, their children and grandchildren and continuing his passion for woodworking and orchids.

Anne Calvaresi, NP, RFNA, DNP

Anne was Appointed Clinical Practice Operations effective April 2019. Anne continues her clinical activities as a nurse practitioner, seeing patients at the 833 Chestnut Street Office and at the Bodine Cancer Center. Her added responsibilities will include overseeing all of the clinical staff and assuring that the 833 Chestnut Street Office clinical objectives are achieved in a consistent manner and that the practice is compliant with both the hospital and Joint Commission standards.

Sharon Childs, MA, was Appointed Medical Assistant Supervisor. She will supervise the Medical Assistant Staff and manage staffing needs, enhanced patient and clinic flow. She will assure patient flow is maintained in an efficient and effective manner.

Scott Bowes, MBA, FACHE, Administrator in the Department of Urology, obtained his Fellowship from the American College of HealthCare Executives (ACHE), headquartered in Chicago, Illinois. ACHE is a professional society dedicated to promoting the highest standards of professional educational and leadership performance; the highest ethical standards and conduct; and the advancement of the healthcare experience.

Denise Tropea retired from the Department of Urology on April 26, 2019. Denise was a member of the Department for 15 years. She is looking forward to traveling and spending time with her family. We wish her luck in her new adventures.

New Family Members

Congratulations to all members of the Department of Urology who welcomed new Family Members over the past year: Rosa and Jeffrey Castillo; Kaitlyn and Angel Strange; Dr. Mark and Rachael Mann; Dr. Ryan and Laura Mark; Dr. Paul and Lilly Chung; Drs. Mihir and Natalie Shah 2019 Chief Resident; and Dr. James and Ashley Steward 2019 Chief Resident.

Alumni News

To share your news in an upcoming publication, contact Dr. Paul Chung, Director of Alumni Relations (paul.chung@jefferson.edu).

Stephen Strup, MD (Chief Resident 1994) is the first recipient of the annual Jefferson Urology Alumni Award (see page 10)

Kymora Scotland, MD, PhD (Chief Resident 2017) has been appointed Assistant Professor in the Department of Urology at UCLA in Los Angeles. Kymora completed an endourology fellowship at the University of British Columbia in Vancouver, Canada

Andrew Margolis, MD (Chief Resident 2018) has joined the Aria Urology group that is affiliated with Jefferson North East. Andy completed a female urology fellowship at the Medical University of South Carolina in Charleston, South Carolina

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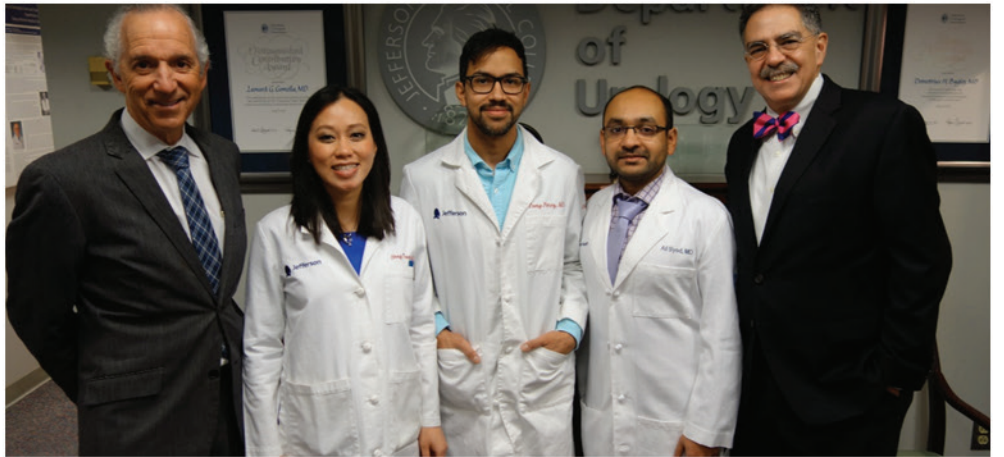
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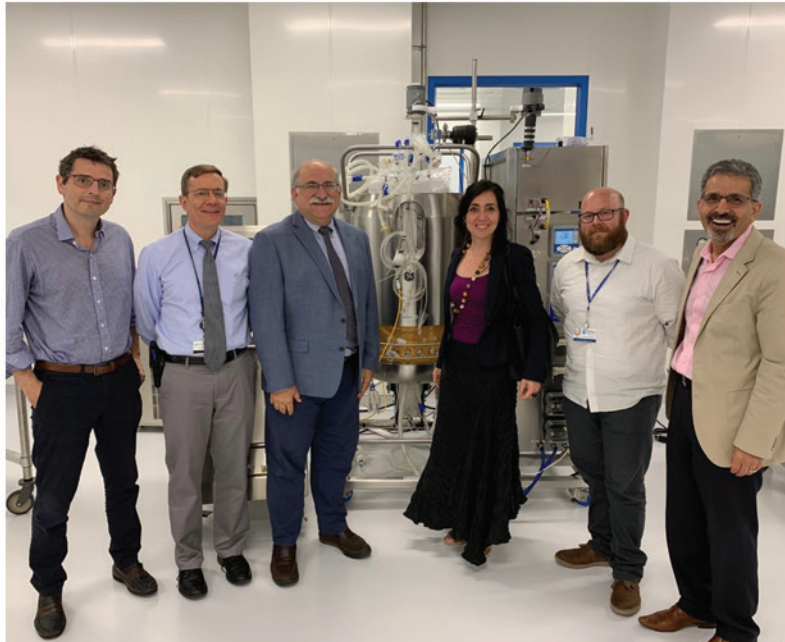
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The Year in Photos





The Year in Photos





Upcoming Events

FEBRUARY
07
2020



3rd Annual Jefferson Urology Symposium

Men's Health Forum, featuring Optional Hands-on Lab
Featured Speakers:

Arthur L. Burnett, II, MD, MBA, Johns Hopkins Univ. School of Medicine
Leonard G. Gomella, MD, FACS, Thomas Jefferson University
Mohit Khera, MD, MBA, MPH, Baylor College of Medicine - Houston, TX
Claus Roehrborn, MD, UT Southwestern Medical Center - Dallas, TX
Course Director: Akhil Das, MD, Thomas Jefferson University

Register: CME.Jefferson.edu

MARCH
11
2020



2020 Zimskind Visiting Professor Department of Urology

Laurence Klotz, MD, CM, Professor of Surgery,
Division of Urology, Sunnybrook Health Sciences
Centre, University of Toronto

Journal Club: Wednesday March 11

Grand Rounds: Thursday, March 12

MAY
07
2020



Men's Health Event

Sidney Kimmel Cancer Center

Jefferson Health™ | NCI-designated

Featuring stand-up comedian: Steven Wright

MAY
17
2020



Jefferson Urology Alumni and Canadian Journal of Urology Reception

5:30-7:30 p.m.

Held during AUA Annual Meeting

2020, Washington, DC

May 15-18, 2020

JUNE
19
2020



2020 DM Davis Visiting Professor and Graduation Banquet

Colin P.N. Dinney, MD Chairman, Department of
Urology, The W.A. "Tex" & D. Moncrief, Jr.

Distinguished Chair in Urology, University of Texas

MD Anderson Cancer Center, Houston, TX

SEPTEMBER
12
2020



Jefferson Urology Avalon Symposium