



70th Ferdinand C. Valentine & Resident Essay Meeting

THE NEW YORK SECTION, AUA, INC.

Louis R. Kavoussi, M.D., President

Peter N. Schlegel, Secretary

THE SECTION ON UROLOGY of *The New York Academy of Medicine*

Grace Hyun, M.D., Chairman

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WEDNESDAY, APRIL 14th, 2021

Tricia Greene, M.D. – Resident Essay Chair

Jane Cho, M.D. – Resident Essay Co-Chairman

Meeting will be held virtually

Resident Essay Chairs

Tricia Greene, M.D.

Tricia Greene, M.D. is a board-certified urologist, with a focus on adult oncology including prostate and renal cancers. Expert in Robotic surgery.

Dr. Tricia Greene is a board-certified urologist, with a focus on adult oncology including prostate and renal cancers. Her clinical interest centers on minimally invasive surgery utilizing the latest in daVinci Surgery robot technology. During her prior directorship, she headed several Robotic Surgery programs and continues to work with the latest in this area.

She considers herself to be exceedingly thorough and works very hard to find a source for her patient's objective health problems. She works tirelessly to give patients the best care and to find solutions enabling them to have a better quality of life.

Dr. Greene is widely published and has presented at numerous regional and national industry meetings. She taught and presented cases at Lenox Hill Hospital and Weill Cornell Medical Center. Now she regularly teaches and presents clinical cases to the urology residents at the Northshore University Hospital. She joined Northwell in 2018 and is currently practicing at 733 Sunrise Highway, Lynbrook NY 11563.



Jane Cho, M.D.

Jane Cho MD, MPH is a fellowship trained specialist in urologic oncology. She is an Assistant Professor at the Zucker School of Medicine at Hofstra/Northwell, and Associate Program Director for the Urology Residency Program. She was born and raised in New York City and received a BA and BS from Duke University. She returned to NY for medical school where she received a joint MD/MPH degree at New York Medical College. Dr. Cho completed her residency in Urology at the University of California in Irvine and went on to complete her fellowship in oncology at Indiana University Medical Center.



The Judges



DANIEL BAROCAS, M.D.

Daniel A. Barocas, MD, MPH, FACS is Associate Professor and Vice Chair of Urology at the Vanderbilt University Medical Center, and the Vanderbilt Ingram Cancer Center. He has clinical and research interests in urologic cancers, particularly in the detection and treatment of localized cancers, and the measurement of patient outcomes and quality of care. Dr. Barocas has received grants from NIH to study active surveillance for prostate cancer care, and to study variation in the evaluation of hematuria. He is currently PI of the CEASAR study (Comparative Effectiveness Assessment of Surgery And Radiation), funded by NCI to study oncologic and patient-reported outcomes in a large prospective, population-based cohort study. In this capacity, Dr. Barocas has mentored many residents, fellows and students in research. In addition to his activities as a urologic oncologist and health services researcher, Dr. Barocas is involved with national organizations, including the American Urological Association, and in development of quality measures for urologic cancer care.



SAM CHANG, M.D.

Sam S. Chang, MD, MBA, Patricia and Rodes Hart Endowed Professor of Urologic Surgery and Oncology at Vanderbilt University Medical Center in Nashville, Tennessee serves as the first Chief Surgical Officer at the Vanderbilt Ingram Cancer Center. Dr. Chang, a graduate of Princeton University and Justin Potter Scholarship Awardee at Vanderbilt Medical School, completed his uro-oncology fellowship as Chief Fellow at Memorial Sloan-Kettering Cancer Center, New York.

Since his return to Nashville, he has focused on urologic oncology and education and has led efforts in integration of evidence-based medicine in clinical pathways, enhanced national guidelines formulation, improved urologic cancer staging, and promoted multi-disciplinary cancer treatment initiatives. He has orchestrated the initiation and expansion of multiple cancer-related treatment protocols at Vanderbilt and elsewhere. Recognized early in his career with a CaPCURE Prostate Cancer Young Investigator award (now Prostate Cancer Foundation Award), Dr. Chang has served as the Chair of the SUO Panel on Hormone Refractory Prostate Cancer, the Chair of the American Joint

Committee on Cancer GU Staging Task Force, the Facilitator and Vice-Chair of the Renal Malignancy Follow-Up AUA Guidelines Panel, the Chair of the AUA/ASCO/ASTRO/SUO Guidelines on Non Invasive and Invasive Bladder Cancer, and the Chair of the AUA Prostate Cancer Core Curriculum Committee. He was a former member of the AUA Foundation Prostate Advisory Board and is a current member of the NCCN Bladder Cancer Panel, Chair of the AUA Public Policy Panel, Bladder Cancer Advocacy Network (BCAN)'s Scientific Advisory Board, and the Editor in Chief of the American Board of Urology Examination Committee (2021-2024). He was elected (2018-2022) as Assistant Secretary of the American Urological Association. In 2021, Dr. Chang was also named as a member of the AUA Task Force on Diversity and Inclusion.

While maintaining a busy clinical surgical practice focused on prostate, kidney and bladder cancer, he has recently earned his MBA at Vanderbilt's Owen School of Business. He completed his term as a nominated Fellow of the Nashville Health Care Council in 2016. Dr. Chang has authored more than 450 original publications and multiple book chapters as well as edited several textbooks. For his academic efforts, he received the SUO's first-ever Distinguished Service Award and the AUA Gold Cystoscope Award. His mentoring efforts have been recognized with the Society of Women in Urology (SWIU) Christina Manthos Mentoring Award in 2021.



NICOLE MILLER, M.D.

Dr. Nicole Miller currently holds the position of Professor of Urology at Vanderbilt University School of Medicine in Nashville, TN. She joined the department in 2007. She completed her M.D. degree at the University of Pittsburgh School of Medicine in 2000, and received her urology residency training at the University of Virginia. Dr. Miller went on to complete a 2 year fellowship in Endourology and Minimally Invasive Surgery at the Indiana University School of Medicine under the mentorship of Dr. James E. Lingeman. She specializes in the medical and surgical treatment of kidney stone disease as well as laser surgery for BPH. Dr. Miller's research interests include investigation of Randall's plaque in the pathophysiology of nephrolithiasis, new laser technologies for kidney stone and BPH treatment, novel platforms for BPH surgery and investigation of pathophysiologic pathways for refractory BPH/LUTS. She has been the major contributor of transition zone prostate tissues from men undergoing surgery for refractory BPH/LUTS as part of Vanderbilt University's Biorepository in the Center for Benign Urologic

Diseases (CBUD) and has co-authored work on this developing resource. She has served as course faculty member and moderator both nationally and internationally for the American Urological Association and Endourological Society in the area of surgical treatment of BPH and nephrolithiasis. Dr. Miller is an Editorial Board Member for the Journal of Urology, Journal of Endourology and Director of the Minimally Invasive Surgery and Endourology Fellowship at Vanderbilt University Medical Center. She also served as a member of the AUA guidelines panel for the Surgical Management of Nephrolithiasis and AUA Leadership Class of 2017.



**The New York Section, AUA, Inc. 70th
Annual Ferdinand C. Valentine Medical
& Resident Essay Meeting
April 14th, 2021**



10:00 AM – 10:10 AM **Welcome and Introduction**
Louis R. Kavoussi, M.D.

Moderators: Tricia Greene, M.D. and Jane Cho, M.D.

10:10 AM – 10:15 AM	Characteristics, Treatment and Outcomes of Penile Melanoma in the United States <i>Tejash Shah</i>
10:15 AM – 10:20 AM	Adjuvant and Neo-adjuvant Chemotherapy Patterns in Patients with High-Risk Upper Urinary Tract Urothelial Carcinoma in the US <i>Alec Zhu</i>
10:20 AM – 10:25 AM	The Impact of Preoperative Oral Health on Buccal Mucosal Graft Histology <i>Jane Kurtzman</i>
10:25 AM – 10:30 AM	Clinical Utility of Multiple Prior Urine Cultures in Detecting Positive Intraoperative Renal and Ureteral Stone Cultures <i>John Barlog</i>
10:30 AM – 10:35 AM	Risk Stratification in Advanced Non-seminomatous Germ Cell Tumors (NSGCT): Validation of Age and Metastatic Disease Site to Improve the Traditional IGCCCG Risk Groups <i>Arnav Srivastava</i>
10:35 AM – 10:40 AM	The Impact of Very Large Prostate Volume (80 grams or greater) on Cancer Detection and Procedural Complications During Transperineal Prostate Biopsy <i>Mariela R. Martinez</i>
10:40 AM – 10:45 AM	Experience of Surgeon-Controlled Robotic Stapling During Intracorporeal Ileal Conduit Creation <i>Ji Hae Park</i>
10:45 AM – 10:50 AM	A Population-Based Analysis of Predictors to Operative Intervention among Inpatients with Acute Priapism <i>David Sanghyuk Han</i>
10:50 AM – 10:55 AM	Pelvic Floor Muscle Tenderness and Pelvic Pain syndromes are more likely to suffer from Temporomandibular Joint Dysfunction <i>Luke Griffiths</i>

10:55 AM – 11:00 AM	Potential of Anticancer Effect by Combination of Mushroom Extract and Grapeseed Extract on Human Bladder Cancer Cells <i>Jason Y. Elyaguov</i>
11:00 AM – 11:05 AM	The Effects of Metformin on Metabolic Profiles of Diabetic Stone Formers <i>Daniel Rosen</i>
11:05 AM – 11:10 AM	Feasibility of Skill Assessment Tool (C-SATS) At Health System Level – Implementation, Score Distribution, Skill Breakdown, and Trends in Participation <i>Brian Dinerman</i>
11:10 AM – 11:15 AM	Comparing Targeted vs. Systematic Biopsies for the Diagnosis of Prostate Cancer Utilizing a Transperineal Fusion Approach <i>Eitan Glucksman</i>
11:15 AM – 11:20 AM	Aquablation and UroLift May Have More Dangerous Complications than Rezum: A Review of Medical Device Adverse Events Using a National Registry <i>Elie Kaplan-Marans</i>
11:20 AM – 11:25 AM	The Use of MRI-based 3D Models in Aiding Robot-Assisted Radical Prostatectomy <i>Shivaram Kumarasamy</i>
11:25 AM – 11:30 AM	Impact of Neoadjuvant Chemotherapy for Upper Tract Urothelial Carcinoma <i>Patrick Lewicki</i>
11:30 AM – 11:35 AM	Improving Stone Free Rates During Retrograde Intrarenal Surgery by Modified Patient Positioning <i>Christine Liaw</i>
11:35 AM – 11:40 AM	A Novel Prediction Tool to Improve Localized Prostate Cancer Staging Accuracy Using MRI-Based Parameters <i>Zachary Feuer</i>
11:40 AM – 11:45 AM	Impact of the COVID-19 Pandemic on Urologist Burnout in the New York Section of the American Urological Association <i>Zoe Cohen</i>
11:45 AM – 11:50 AM	PSA Testing Trends from 2012 to 2018: Analysis of the CDC Behavioral Risk Factor Surveillance System Demographic and Socioeconomic Data <i>Anh Thuy Nguyen</i>
11:50 AM – 11:55 AM	Teardrop Urethral Mobilization and Advancement Repair for Distal Hypospadias <i>Quincy Nang</i>
11:55AM – 12:00 PM	Novel PIRADs Based Nomograms for predicting Clinically Significant Prostate Cancer at Initial Biopsy <i>Darian Andreas</i>
12:00 PM – 12:05 PM	Association of Lymph Node Count and Survival After Primary Retroperitoneal Lymphadenectomy for Non-Seminomatous Testicular Cancer <i>Hiren Patel</i>

12:05 PM – 12:10 PM	Predictive Value of PI-RADS v2 for Clinically Significant Prostate Cancer on Prostate Biopsy in a High-Risk Racial Cohort <i>Wilson Lin</i>
12:10 PM – 12:15 PM	Robotic Surgery Simulation League: Using Gamification to Increase Resident Engagement in Surgical Training <i>Georg Moran</i>
12:15 PM – 12:20 PM	Current Over-The-Counter Remedies for Urinary Tract Infection Treatment, Prevention, and Symptom Management <i>Beth Edelblute</i>
12:20 PM – 12:25 PM	Patient Safety in the Operating Room During Urologic Surgery: The OR Black Box Experience <i>Leah Beland</i>
12:30 PM – 1:30 PM	LUNCH
1:30 PM – 1:35 PM	The Association of Radiology Report Terminology with Urologic Consultation, Admission, and Intervention: a Radiological-Clinical Correlation <i>Rainjade Chung</i>
1:35 PM – 1:40 PM	Extraperitoneal Adult Renal Allograft Transplantation in Pediatric Patients <i>Joshua Jue</i>
1:40 PM – 1:45 PM	Single-Institution Experience with Ultrasound Contrast-Enhanced Voiding Cystourethrogram for Diagnosis of Vesicoureteral Reflux <i>Thomas Williams</i>
1:45 PM – 1:50 PM	Pediatric Genitourinary Tumors: Distribution, Demographics, and Outcomes <i>Azadeh Nazemi</i>
1:50 PM – 1:55 PM	Influence of Department Leadership on Scholarly Productivity and Research Funding in Academic Urology <i>Ashwin Ramaswamy</i>
1:55 PM – 2:00 PM	CYP21A2 Expression and Cortisol Production in a Human Adrenal Cell Line <i>Kiersten Craig</i>
2:00 PM – 2:05 PM	Local and Regional Recurrences of Clinically Localized Renal Cell Carcinoma after Nephrectomy: A 15 Year Institutional Experience with Prognostic Features and Oncologic Outcomes <i>Kevin Pineault</i>
2:05 PM – 2:10 PM	Incidence of Benign Renal Masses in a Contemporary Cohort of Patients Receiving Partial Nephrectomy for Presumed Renal Cell Carcinoma <i>Varun Vijay</i>
2:10 PM – 2:15 PM	Factors Associated with Clinical Trial Participation for Patients with Renal Cell Carcinoma <i>Brian Shinder</i>

2:15 PM – 2:20 PM	The Effect of Pregnancy on Ureteral Decompression in Women with Obstructive Pyelonephritis from Nephrolithiasis: A Population-Based Analysis <i>Connie Wang</i>
2:20 PM – 2:25 PM	COVID-19 impact on urology resident case volume <i>Dora Katarina Jericevic</i>
2:25 PM – 2:30 PM	Using CT-guided stereotactic prostate radiation therapy (CT-SPRT) to assess sustained murine prostate ablation <i>Ali Zahalka</i>
2:30 PM – 2:35 PM	Initial Experience and Cancer Detection Rates of Office-based Transperineal MR-US Fusion Prostate Biopsy under Local Anesthesia <i>Zachary Kozel</i>
2:35 PM – 2:40 PM	Inflatable Penile Prosthesis Adverse Events: Comparison of the Alternative Summary Report (ASR) and Manufacturer and User Facility Device Experience (MAUDE) Databases <i>Daniel Rabinowitz</i>
2:40 PM – 2:45 PM	The Impact of Cancer Type on Stent Failure Rates in the Management of Malignant Extrinsic Ureteral Obstruction <i>Christopher Haas</i>
2:45 PM – 2:50 PM	Electromagnetism for Indwelling Ureteral Stent Extraction <i>Jeffrey Johnson</i>
2:50 PM – 2:55 PM	Prognostic Markers for Renal Cell Carcinoma Recurrence <i>Vinson Wang</i>
2:55 PM – 3:00 PM	Pre-Operative Factors Associated with Intraoperative and Long-Term Testicular Salvage in Pediatric Testicular Torsion <i>Yuval Elkun</i>
3:00 PM – 3:30 PM	Coffee Break
3:30 PM – 3:35 PM	Feasibility and Utility of Using Mobile Applications for the Evaluation of Urology Resident's Surgical Competence <i>Daniel Nethala</i>
3:35 PM – 3:40 PM	National Crisis: How the BCG shortage is affecting practice patterns in the management of non-muscle invasive bladder cancer <i>Christopher Sayegh</i>
3:40 PM – 3:45 PM	Effect of Delay to Nephroureterectomy after Kidney-sparing Treatments on Pathologic and Survival Outcomes for Upper Tract Urothelial Carcinoma <i>Jamie Pak</i>
3:45 PM – 3:50 PM	Adoption, safety, and retreatment rates, of prostatic urethral lift for benign prostatic enlargement <i>Spyridon P. Basourakos</i>

3:50 PM – 3:55 PM	<p>Role of Rectal Culture Directed Antibiotics in Reducing Sepsis After Transrectal Ultrasound Prostate Biopsy <i>Rogério Huang</i></p>
3:55 PM – 4:00 PM	<p>Risk Factors for Intravesical Recurrence After Robotic Surgery for Upper Tract Urothelial Cancer Study (ROBUUST) <i>Andrew Katims</i></p>
4:00 PM – 4:05 PM	<p>Reimagining the Away Rotation: A Four-Week Virtual Subinternship in Urology <i>Ezra Margolin</i></p>
4:05 PM – 4:10 PM	<p>The Impact of Reported Sexual Orientation on Prostate Cancer Screening in the United States <i>Rand Wilcox Vanden Berg</i></p>
4:10 PM – 4:15 PM	<p>Erectile Dysfunction is an Underdiagnosed Consequence of Low Anterior Resection and Abdominoperineal Resection for Colorectal Cancer <i>Christopher Gaffney</i></p>
4:15 PM – 4:20 PM	<p>Robotic Posterior Urethroplasty with Buccal Mucosa Graft – a novel technique for complex posterior urethral strictures <i>Michael Siev</i></p>
4:20 PM – 4:25 PM	<p>Determining the Component-based Operative Time Learning Curve for Robotic Assisted Radical Prostatectomy <i>David Ambinder</i></p>
4:25 PM – 4:30 PM	<p>Using Competing Risk of Mortality to Inform the Transition from Prostate Cancer Active Surveillance to Watchful Waiting <i>Borna Kassiri</i></p>
4:30 PM – 4:35 PM	<p>The Adolescent Glans Penis: Functional and Aesthetic Issues Following Childhood Hypospadias Repair <i>Chrystal Chang</i></p>
4:35 PM – 4:40 PM	<p>Rate of Publication of Oncologic Podium Presentations at AUA 2017 <i>Kevin Chua</i></p>
4:40 PM – 4:45 PM	<p>The Value of an Hour: Measuring Utilization of Available Robotic Operating Room Time at an Academic Teaching Hospital <i>Alain Kaldany</i></p>
4:45 PM – 4:50 PM	<p>Trends in transgender coding during ED visits from 2012 to 2019 <i>Joshua Sterling</i></p>
4:50 PM – 5:50 PM	<p>New York Academy of Medicine Welcome Introduction of Valentine Medalists – <i>Presented by Grace Hyun, M.D.</i></p> <p>Ferdinand C. Valentine Medal Lecture Arthur L. Burnett, M.D., MBA Johns Hopkins University School of Medicine <i>“Nitric Oxide Revolutionized Lower Genitourinary Tract Therapies: From Bench to Bedside”</i></p>

5:50 PM – 6:05 PM

Introduction of Judges

Louis R. Kavoussi, M.D.

Judges' Comments – Announcement of the Winners

Daniel Barocas, M.D., Sam Chang, M.D. and Nicole Miller, M.D.



2021 Ferdinand C. Valentine Medalist

Arthur Burnett, MD

Dr. Arthur (Bud) Burnett is the Patrick C. Walsh Distinguished Professor of Urology at the Johns Hopkins University School of Medicine, where he specializes in sexual medicine, major pelvic reconstruction, and the management of cancers of the genitalia and lower urinary tract including prostate cancer. Dr. Burnett received his A.B. degree in Biology from Princeton University and M.D. and M.B.A. degrees from Johns Hopkins University medical and business schools, respectively. He performed his post-graduate training in general surgery, urology, and reconstructive urology at the Johns Hopkins Hospital.

Over the past 30 years, Dr. Burnett has maintained a clinical practice chiefly related to the medical and surgical management of sexual health disorders. His major clinical interest is the preservation of quality of life in the face of medical conditions affecting pelvic functions including sexual function and their treatments, with an emphasis on surgical techniques and clinical procedures that improve functional outcomes in prostate cancer patients.

Alongside his clinical practice, Dr. Burnett directs an active basic science research laboratory centered on investigating the scientific determinants for male sexual problems. Dr. Burnett's career in sexual medicine and men's sexual health was heightened during his post-graduate training at the Johns Hopkins Medical Institutions when he became engaged in studies that advanced the role of nitric oxide as the principal mediator of penile erection. The discoveries he made in this field explained how nitric oxide is released in the penis and creates the natural effect of penile erection. This work contributed

substantially to the rapidly evolving science of penile erections in the early 1990s and was directly associated with the innovation of oral therapies, such as Viagra, to treat erectile dysfunction.

He has continued to study how nitric oxide mediates erections and maintains penile health, and conversely, how its absence contributes to a host of lower genitourinary tract dysfunctions including priapism (unintentional, prolonged erection). His work in priapism has been groundbreaking considering that research on this disorder had been virtually non-existent until the beginning of the 21st century. His work has contributed to a greater understanding of, and public health attention to, this disorder and helped patients affected by it find relief through surgical techniques and medical therapies he has introduced. He also was the lead urologist on the surgical team that performed the first-ever composite penile/scrotal/lower abdominal wall transplant surgery.

He has received numerous awards and honors for contributions and mentorship in the field of urology, and he is recognized nationally and internationally through his many professional affiliations and society memberships. He is an alumni member of the Alpha Omega Alpha Honor Society, Fellow of the American College of Surgeons, and member of American Urological Association, American Association of Genitourinary Surgeons, and International Society of Sexual Medicine, among others. He has been named Honorary Professor of the Faculty of Medical Science, University of the West Indies, Mona, Jamaica.

He has authored or co-authored more than 500 original peer-reviewed articles, scientific reviews, editorials and book chapters, and his work has appeared in prominent journals such as *Science*, *Nature Medicine*, *Proceedings of the National Academy of Sciences*, *Journal of Urology*, *Urology* and *Journal of Andrology*. Dr. Burnett has held multiple journal editor appointments such as Co-Editor-in-Chief of the *Journal of Andrology*, Associate Editor of the *Canadian Journal of Urology*, Assistant Editor of the *Journal of Urology*, and Reviews Editor of the *Journal of Sexual Medicine*.

Dr. Burnett also founded and leads UroMissionsWorks Inc, a 501c (3) non-profit organization, whose mission is to provide educational services for urology trainees in underserved populations in resource-poor locations worldwide.

He currently resides in Baltimore, Maryland with his wife, Rhonice.