

# JK Wyatt Urology Residents' Research Day

Friday, May 26, 2023  
King's College, London, Ontario

## Objectives:

1. Apply evidence-based medicine to resident education
2. Recognize the impact of social media and non-traditional methods on patient interactions
3. Discuss prostate cancer screening and improvements in prostate cancer care.
4. Review clinical and basic research projects conducted by Western University trainees in the following subspecialty areas:
  - a) Oncology, b) Andrology, c) Endourology, d) Urinary Voiding Dysfunction, e) Transplantation and f) Pediatric Urology

## AGENDA

7:00 - 7:50 Registration

8:00 - 8:10 Welcome and Introductions: Dr. A. Sener, Dr. P. Wang, Dr. S. Pautler

### **SESSION I: Fundamental Sciences and Surgical Innovation Node**

**Moderator: Dr. J. Burton**

08:10-08:20 M.Basulto: Incomplete Distal Tubular Renal Acidosis in Stone Formers: An Overlooked Risk Factor (Drs.Razvi/Bjazevic) – 5 minute presentation + 5 minute Question/Answer Period

08:20-08:30 E.Gonzalez: A Comparison Thulium Fiber Laser versus the Holmium:YAG Laser Lithotripsy: A Randomized Prospective Clinical Trial (Drs.Razvi and Bjazevic)  
– 5 minute presentation + 5 minute Question/Answer Period

08:30-08:40 V.Sandoval: Circulating Tumor Cells for Renal Cell Cancer” (Dr.Power)  
– 5 minute presentation + 5 minute Question/Answer Period

08:40-08:50 M.Pignanelli: Exploring Actinidin as Novel Collagenase to Treat Human Peyronie’s Disease Cells (Dr.Campbell) – 5 minute presentation + 5 minute Question/Answer Period

08:50-09:10 **Faculty Lecturer, Dr. Jessica Prodger:** “*The Neovaginal Microenvironment in Transfeminine People who have had Penile Inversion Vaginoplasty*” – 15 minute presentation + 5 minute Question/Answer Period  
Learning Objectives: 

- i) Examine the importance of tissue origin and environment
- ii) Describe the neovaginal microbiome
- iii) Identify possible behaviours/exposures that may influence the neovaginal microbiome

### **SESSION II: Big Data/ICES Node**

**Moderator: Dr. B. Welk**

09:10-09:20 B.Li: Validation of the Hydronephrosis Severity Score in a Large Prospective Database (Dr.Braga, Dr.Wang) – 5 minute presentation + 5 minute Question/Answer Period

09:20-09:30 M.Playfair: Neurosyphilis – an Uncommon Cause of Neurogenic Lower Urinary Tract Dysfunction (Dr. Welk) – 5 minute presentation + 5 minute Question/Answer Period

09:30-09:40 N.Stern: The efficacy of mirabegron in people living with multiple sclerosis or spinal cord injury: an individual participant data meta-analysis and subgroup analysis (Dr.Welk)  
– 5 minute presentation + 5 minute Question/Answer Period

09:40-09:50 F.Berto: Do Alpha-Blockers Cause Cognitive Decline in People with Normal or Abnormal Cognition? (Dr.Welk) – 5 minute presentation + 5 minute Question/Answer Period

09:50-10:00 E.Afenu: Differences in Renumeration for Common Urologic Procedures Across Provinces in Canada (Dr.Welk) – 5 minute presentation + 5 minute Question/Answer Period

- 10:00-10:10 J.Cendejas: Evaluation of bladder cancer care in Canada during Covid-19 Pandemic (Dr.Huynh) – 5 minute presentation + 5 minute Question/Answer Period
- 10:10-10:20 N.BarYaakov: Long Term Follow-Up After Pediatric Pyeloplasty: Variation in Post-Operative Care and Rates of Secondary Intervention within a Population-Based Cohort (Drs.Wang/Dave) – 5 minute presentation + 5 minute Question/Answer Period

*10:20-10:50 Refreshment/Health Break (30 minutes)*

- 10:50-11:20 Guest Professor, Dr. Stacy Loeb: Plant Based Diet and Urological Health**  
 Learning Objectives: i) To discuss the benefits of plant-based diets in urological cancers  
 ii) To examine the role of plant-based nutrition in benign urological conditions  
 – 20 minute presentation + 10 minute Question/Answer Period

**SESSION III: Quality Improvement & Patient Centered Research Moderator: Dr. N. Power**

- 11:20-11:30 B.Liu: Effect of Pudendal Nerve Block on Pain Outcomes for Men Undergoing Urologic Implant Procedures (Dr. Campbell) – 5 minute presentation + 5 minute Question/Answer Period
- 11:30-11:40 H.Abed: How does the CUA Neurogenic Bladder Guidelines risk stratification work with longitudinal follow-up? (Dr. Welk) – 5 minute presentation + 5 minute Question/Answer Period
- 11:40-11:50 W.Luke: Biologic Scaling Laws and Their Impact on Renal Cell Carcinoma Biology (Dr. Power) – 5 minute presentation + 5 minute Question/Answer Period
- 11:50-12:00 J.Wong: A Machine Learning Model to Determine Calcium vs Non-Calcium Stone Composition (Dr.Bjazevic) – 5 minute presentation + 5 minute Question/Answer Period
- 12:00-12:10 H.Rotz: Urologic Workforce Projections for Canada's Aging Population (Dr. Wang) – 5 minute presentation + 5 minute Question/Answer Period
- 12:10-12:20 C.MacLeod: Retrospective Case Series of Robotic-Assisted Partial Cystectomy Patients (Dr.Pautler) – 5 minute presentation + 5 minute Question/Answer Period

*12:20-01:20 Lunch Break and Social Networking*

**SESSION IV: Surgical Education Node Moderator: Dr. J. Bjazevic**

- 01:20-01:30 L.Stringer: Assessing Factors Impacting the Pursuit of Surgical Training in Canadian Medical Students (Dr. Campbell) – 5 minute presentation + 5 minute Question/Answer Period
- 01:30-01:40 V.Turnbull: The Use of Video Games for Improving Laparoscopic Surgical Skills: A Systematic Review (Dr.Campbell) – 5 minute presentation + 5 minute Question/Answer Period
- 01:40-01:50 J.Cepek: Visual Recognition Contest
- 01:50-02:20 **Guest Professor, Dr. Stacy Loeb: Promise and Peril of Digital Health in Prostate Cancer**  
 Objectives: i) To assess the ways that digital platforms are helpful for prostate cancer management, education and research  
 ii) To identify the limitations and potential harms of digital platforms in prostate cancer  
 – 20 minute presentation + 10 minute Question/Answer Period
- 02:20-02:30 Thank you, wrap up, surveys
- 02:30-03:30 Resident Round Table with Guest Professor – Conf. Room KC-119

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This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification program of The Royal College of Physicians and Surgeons of Canada and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University (4.75 hours). Each participant should claim only those hours of credit that he/she actually spent participating in the educational program.

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