

# JK Wyatt Urology Residents' Research Day

Friday, June 10, 2022  
King's College, London, Ontario

## AGENDA

7:00 - 8:00 Registration

8:00 - 8:15 Welcome and Introductions: Dr. A. Sener, Dr. S. Dave, Dr. P. Wang

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

**Moderator: Dr. P. Luke**

8:15 – 8:25 N.Stern: The use of a thrombin hemostatic matrix for the management of hemorrhagic cystitis: a multi-institution case series

8:25 – 8:35 B.Wallace: The Role of Urinary Modulators in the Development of Infectious Kidney Stones

8:35 – 8:45 D.Halstuch: Preservation of ejaculatory function following retroperitoneal lymph node dissection (RPLND) in patients with testicular cancer

8:45 – 8:55 M.Pignanelli: Virtual mindfulness-based group therapy as a multi-disciplinary approach to treat erectile dysfunction

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

**Moderator: Dr.S.Dave**

8:55 – 9:05 B.Li: Evaluating the prognostic variables for overall survival in patients with metastatic renal cell carcinoma: a meta-analysis

9:05 – 9:10 H.Abed: An initial evaluation of the CUA Neurogenic Bladder Guidelines risk stratification

9:10 – 9:15 S.Dekalo: 5-alpha reductase inhibitors and the risk of bladder cancer in a large population-based cohort

9:15 – 9:25 M.Playfair: A retrospective population-based cohort study to compare outcomes and health care costs between pediatric and adult patients with spina bifida in Ontario, 1988-1999

9:25 – 9:50 Refreshment/Health Break

9:50 – 10:30 Guest Professor Dr. Andrew Hung, Talk #1: *Artificial Intelligence and Urology*

Learning Objectives:

- i) Discover how artificial intelligence methods are utilized for the diagnosis, treatment, and prognostication of urologic diseases
- ii) Understand how artificial intelligence is being utilized to guide urologic surgeries

### SESSION III: Quality Improvement & Patient Centered Research

Moderator: Dr.N.Power

- 10:30 – 10:40 E.Chan: Utilization of low-dose CT for evaluation of urolithiasis at a high-volume stone referral centre
- 10:40 – 10:50 F.Berto: Shockwave lithotripsy of upper urinary tract calculi - Outcomes of a multicentre international prospective observational study
- 10:50 – 11:00 V.Sandoval: Accuracy of mp MRI of the prostate PI-RADS scoring system to predict disease treatment on patients with prostate cancer active surveillance
- 11:00 – 11:10 W.Luke: The Ontario Anatomic Kidney Score (OAKS): Scoring Reliability in Surgeons and Surgical Trainees Across Canada

### SESSION IV: Surgical Education Node

Moderator: Dr.P.Wang

- 11:10 – 11:20 J.Cepek: Gaze in surgical training: are you seeing what I'm seeing?
- 11:20 – 11:30 L.Stringer: Influence of gender identity on family planning and professional advancement in Urology
- 11:30 – 11:40 C.MacLeod: Visual Recognition Contest
- 11:40 – 12:20 Guest Professor Dr. Andrew Hung, Talk #2: *Artificial Intelligence and Surgical Education*  
Objectives:  
i) Learn how artificial intelligence is being utilized to quantify surgeon performance  
ii) Understand how artificial intelligence can predict patient outcomes
- 12:20 – 12:30 Thank you, wrap up, surveys
- 12:30 – 1:30 Lunch and Social Networking
- 1:30 – 2:30 Resident Round Table with Guest Professor – Dr. Andrew Hung, Conf. Room KC-119
- 6:00 pm Awards dinner (residents, fellows, faculty, alumni) at Riverbend Golf Club

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\*Note: Guidelines = 10 minute presentations = 6 minute presentation, 4 minute Q & A  
40 minute presentations = 30 minute presentation, 10 minute Q & A

*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 (6 hours). Each participant should claim only those hours of credit that he/she actually spent participating in the educational program.*

*This year's program is intended to provide participants with information on:*

1. Apply evidence-based medicine to resident education
2. Recognize the impact of Artificial Intelligence on Urology and Surgical education
3. Identify methods to optimize resident selection, training and career success
4. Review clinical and basic research projects conducted by Western University trainees in the following subspecialty areas:
  - a. Oncology
  - b. Endourology
  - c. Transplantation
  - d. Andrology
  - e. Urinary voiding dysfunction
  - f. Pediatric urology

This program has received an educational grant or in-kind support from:

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