

DR. ROBERT ZHONG
Department of
Surgery
Research
Day

November 11, 2021
1:00 p.m.
Schulich Zoom Webinar

Agenda

WELCOME

1:00 p.m. Opening Remarks: **Dr. Emil Schemitsch**

Award Winning Resident Platform Presentations (5 Minute Presentations, 2 minutes for Questions)

- 1:15 p.m. **Dr. Oonagh Scallan** (Vascular Surgery) — *Onyx Versus Coil Embolization for the Treatment of Type II Endoleaks*
- 1:22 p.m. **Dr. George Pang** (General Surgery) — *Why do Surgeons Teach? A Narrative Systematic Review and Thematic Synthesis of Qualitative Studies*
- 1:29 p.m. **Dr. Carolyn MacLeod** (Urology) — *Decision Aids for Patients with Lower Urinary Tract Dysfunctions: A Systematic Review*
- 1:36 p.m. **Dr. Joseph Cavanagh** (Orthopaedic Surgery) — *Navigation and Patient Specific Instrumentation in Shoulder Arthroplasty*
- 1:43 p.m. **Dr. Spencer Chambers** (Plastic & Reconstructive Surgery) — *Interfascicular Anatomy of the Motor Branch of the Ulnar Nerve: A Cadaveric Study*
- 1:50 p.m. **Dr. Noah Stern** (Paediatric Surgery) — *A CUSUM Analysis of Operative Times and Complications for a Surgeon Initiating Robot Assisted Pyeloplasty- a Predictable Decrease in Operative Time is Possible by Case 30*
- 1:57 p.m. **Dr. Alexander Ednie** (Thoracic Surgery) — *Does Pre-Operative SABR Increase the Risk of Complications From Lung Cancer Resection? A Secondary Analysis of the MISSILE Trial*
- 2:04 p.m. **Dr. Fadi Hage** (Cardiac Surgery) — *Does Adding an Aortic Root Procedure During Aortic Arch Repair Increase Post-Operative Morality?*

– 2:11 -2:20 p.m. – **BREAK** –

2:20 p.m. **Dr. Renan Rodrigues Fernandes** (MSc in Surgery) — *3D Printed Patient-Specific Interbody Cages as a Strategy to Reduce Subsidence*

2:30 p.m. **KEYNOTE SPEAKER: Dr. Chad Ball** — *Finding Efficiency and Yourself, in the Process of Eliminating Unproductive Behaviour in an Academic Surgical Career*

– 3:20 -3:30 p.m. – BREAK –

IRF Award Recipients - Node Speakers (8 Minute Presentations, 2 minutes for Questions)

3:30 p.m. **Dr. Vogt** (Chair, DOS Research Committee), *Department of Surgery Research Update*

3:40 p.m. **Dr. Adam Power** — *Introducing a New Concept of Fixed-Volume Aortic Occlusion for Fluoroscopy-Free Resuscitative Endovascular Balloon Occlusion* §

3:50 p.m. **Dr. Michael Ott** — *Unintended Consequences: Translation of CBME Theory Into Practice* ¶

4:00 p.m. **Dr. Jeffrey Campbell** — *Reducing Opioid Use After Minor Urologic Surgery* Δ

4:10 p.m. **Dr. Sumit Dave** — *Big Data: Does (Sample) Size matter? ICES Research in Pediatric Urology* ◇

Resident/Fellow Research Oral Poster Presentations (3 minutes each, Live Q & A Session in Chat)

4:20 p.m. **Dr. Lukas Hashem** (Orthopaedic Surgery) – *Kienbock's Disease – Long Term Surgical Outcomes* Δ

4:24 p.m. **Dr. Yousif Atwan** (Orthopaedic Surgery) – *Indomethacin for Heterotopic Ossification Prophylaxis Following Surgical Treatment of Elbow Trauma: a Randomized Controlled Trial* Δ

4:28 p.m. **Dr. Robin Wigen** (General Surgery) – *Reducing Revisit to Hospital Rates Among Pediatric Post-Appendectomy Patients: A Quality Improvement Project* Δ

4:32 p.m. **Dr. Brendan Wallace** (Urology) – *Postoperative Opioid Use Following Transurethral Surgery: An Institutional Audit and Development of an Opioid Reduction Strategy* Δ

4:36 p.m. **Dr. Khalifa AlGhanim** (Plastic & Reconstructive Surgery) – *The Effect of Hyaluronan on Cutaneous Squamous Cell Carcinoma* §

4:40 p.m. **Dr. Olawale Sogbein** (Orthopaedic Surgery) – *Effects of Quadriceps Insult on Patient-Reported Outcomes Following Total Knee Arthroplasty: A Pilot Randomized Clinical Trial* Δ

4:44 p.m. **Dr. Eric Mitchell** (Plastic & Reconstructive Surgery) – *Strength of Upper Extremity Peripheral Nerve Coaptations: An In-vitro Study* §

4:48 p.m. **Dr. Fernanda Gabrigna Berto** (Urology) – *Shockwave Lithotripsy for Distal Ureteric Stones – Results From an International Research Initiative* Δ

4:52 p.m. **Dr. Ge Shi** (Thoracic Surgery) – *The Development and Validation of a Mixed Reality Thoracic Surgery Anatomy Atlas* ¶

4:56 p.m. **Dr. Linda Qu** (General Surgery) – *NSQIP 5-Factor Modified Frailty Index Predicts Morbidity but not Mortality After Esophagectomy* ◇

5:00 p.m. Awards, Closing Remarks & Completion of On-Line Evaluations: **Dr. Emil Schemitsch**

Keynote Presentation

Chad Ball Chad Ball, MD, MSc, FRCSC, FACS

Finding Efficiency and Yourself, in the Process of Eliminating Unproductive Behaviour in an Academic Surgical Career

Session Specific Learning Objectives

1. Identify common traits of productive surgeons.
2. Identify the role of 'innovation' in surgical productivity.
3. Identify the role of failure in surgical productivity.



Program Learning Objectives

1. Describe big data study design in paediatric surgical research.
2. Describe fixed volume aortic occlusion for fluoroscopy-free resuscitative endovascular balloon occlusion.
3. Identify ways of reducing opioid use after minor urologic surgery.
4. Identify why surgeons teach through a narrative systematic review and thematic analysis of qualitative studies.
5. Review the role of decision aids in surgery.

(25% of this program is dedicated to participant interaction)

CME Credits

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. You may claim a maximum of 3.5 hours (credits are automatically calculated).

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

•THIS PROGRAM HAS NO COMMERCIAL SUPPORT•



Named in honour of Dr. Robert Zhong, a brilliant scientist and colleague who passed away in London, Ontario on September 8, 2006.

Dr. Robert Z. Zhong was born in Shanghai, China on January 16, 1946. He graduated from Shanghai No 1 Medical University and was then assigned by the government to work as a general surgeon in a community hospital. Dr. Zhong attended a seminar led by Dr. Sun Lee – considered to be the founding father of experimental microsurgery – and whom he would later credit to be one of the most important mentors of his life.¹ Dr. Zhong arrived in Canada first as a research fellow under the supervision of Drs. John Duff and Calvin Stiller in 1984. His persistence and vision led to a full-time appointment and microsurgical animal models that would be applied in human transplantation clinical practice.

Recognizing that molecular biology and transplant immunology were critical to the future of transplantation, Dr. Zhong began his study of these fields in Canada to become one of the world's leading experts in transplantation and microsurgery. He went on to become a Tier One Canada Research Chair in Transplantation and Experimental Surgery in 2004 and was appointed a full Professor in the Departments of Surgery, Pathology, and Microbiology & Immunology at The University of Western Ontario. Dr. Zhong was a scientist at the Robarts Research Institute; Director of the Microsurgery Laboratory at LHSC; and a scientist at the Lawson Health Research Institute. Dr. Zhong's influence into the fields of transplantation and microsurgery were profound and far-reaching. He was Past President of the International Society of Experimental Microsurgery; a member of the Canadian Society of Transplantation, American Society of Transplantation; and the American Society of Transplant Surgeons. Dr. Zhong was awarded the Lifetime Achievement Award by the Canadian Society of Transplantation posthumously in 2007.

¹Zhong T. (2007), Dr. Robert Zhen Zhong: A tribute by his daughter. *Microsurgery*, 27:214-215.