ROBERT ZHONG

DEPARTMENT OF SURGERY RESEARCH DAY

JUNE 24, 2019

STUDENT LIFE CENTRE

KING'S UNIVERSITY COLLEGE

266 EPWORTH AVE, LONDON, ON
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. 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. Dr. Zhong published over 180 peer-reviewed publications and achieved millions of dollars in research grant funding. He supervised more than 70 graduate students and fellows and trained over 70 microsurgeons worldwide during his 21-year career at Western. His superb leadership and vision were recognized as having created an internationally renowned program in experimental transplantation. A brilliant scholar, teacher, and mentor, Dr. Zhong is also remembered as a man of great humility, kindness, and respect.

Dr. Robert Zhen Zhong passed away in London, Ontario on September 8, 2006.

Learning Objectives

1. To learn about quality improvement in breast reconstruction to optimize the patient-centred experience.
2. To explore the surgical personality.
3. To evaluate point of care ultrasound for the diagnosis of testicular torsion.
4. To learn about narcotic use after surgery.
5. To explore the research process from bench to bedside and examine if this is a realistic goal.
6. To understand the practice patterns for the treatment of acute proximal hamstring ruptures.
7. To learn about chemotherapy and survival outcomes in resectable soft tissue sarcomas.
8. To understand the mechanisms behind scaphoid malunion on radioscaphoid joint contact.

(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 4.25 hours (credits are automatically calculated).

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

Toni Zhong, M.D., FRCS, MHS

Dr. Toni Zhong, M.D., FRCS, MHS is an Associate Professor in the Department of Surgery, and the inaugural Belinda Stronach Chair in Breast Cancer Reconstruction at University Health Network (UHN). She is also the Clinical and Research Director for the Breast Reconstruction Program at UHN and Mount Sinai Hospitals, leading centres’ for advanced techniques in breast reconstruction in North America. She was recruited by University of Toronto in November 2008 from Memorial Sloan Kettering Cancer Center in New York City. In 2011, she also obtained her Masters of Health Sciences in Clinical Epidemiology from the Harvard School of Public Health.

To complement her clinical expertise in the field of breast reconstructive surgery, her research aims to improve the access of women to optimized techniques of post-mastectomy reconstruction through clinical trials and health services research. In 2012, she was awarded the prestigious 2012 Career Development Award from the American Society of Clinical Oncologists. She holds a five-year Canadian Institute for Health Research (CIHR) grant and leads a national team to examine barriers to breast reconstruction surgery across Canada. She was also awarded the highly competitive CIHR New Investigator Award in 2015. Recently, she was appointed as the Provincial Lead in the development of clinical guidelines to set new provincial standards for breast cancer reconstruction in Ontario. She currently has over 65 peer-reviewed publications in high impact oncology and surgical journals, holds 5 active national level research...
grants, and numerous Canadian and American Plastic Surgery Foundation Funds.

Dr. Zhong is also active in humanitarian activities. She is one of the founding members of WomenforWomen, a non-profit international humanitarian organization and annually leads international surgical teams overseas. She is a co-founder the UHN Helps Fund, a humanitarian fund to support patients from developing countries to receive their life-saving or life-enhancing surgeries at UHN. To recognize her volunteerism, she was awarded the Dean’s Alumni Award in Community Service from University Of Western Ontario in 2018.
Agenda

7:00 – 8:45 a.m.  Registration/ Coffee

7:45 – 8:50 a.m.  Poster Session

9:00 – 9:10 a.m.  Opening Remarks:  Dr. Emil Schemitsch
9:10 – 9:15 a.m.  Remarks: Dr. Anthony Jevnikar

Award Winning Resident / Fellow Research Papers

9:15 – 9:25 a.m.  Dr. Luc Dubois, Division of Vascular Surgery
Discrepancies in Research Productivity among Canadian Surgical Specialties

9:25 – 9:35 a.m.  Dr. Ali Hage, Division of Cardiac Surgery
Impact of Brain Protection Strategies on Mortality and Stroke in Patients Undergoing Aortic Arch Repair with Hypothermic Circulatory Arrest: Evidence from the Canadian Thoracic Aortic Collaborative

9:35 – 9:45 a.m.  Dr. Alexandra Istl, Division of General Surgery
Call for Improved Study Design and Reporting in Soft Tissue Sarcoma Systematic Review and Meta-Analysis of chemotherapy and survival outcomes in resectable STS

9:45 – 9:55 a.m.  Dr. Ernest Chan, Division of Urology
Identifying Systems Delays in the Assessment, Diagnosis, and Operative Management of Testicular Torsion in a Single Payer Healthcare System: Potential Applications for Scrotal POCUS
9:55 – 10:05 a.m.  Dr. Kitty Wu, Division of Plastic & Reconstructive Surgery
Developing a 3D Bio-Artificial Tissue Model for Breast Capsular Contracture

10:05 – 10:15 a.m.  Dr. Nicholas Pasic, Division of Orthopaedic Surgery
Practice Patterns for the Treatment of Acute Proximal Hamstring Ruptures

10:15 – 10:25 a.m.  Dr. Mehdi Qiabi, Division of Thoracic Surgery
Post-Esophagectomy Cervical Anastomotic Leaks Treated by Silicone Stents: A Decade of Experience

10:25 – 10:35 a.m.  Dr. Leandra Stringer, Division of Paediatric Surgery
Point of Care Ultrasound (POCUS) for the Diagnosis of Testicular Torsion: A Resident Education and Quality Improvement Initiative

10:35 – 11:00 a.m. BREAK AMONGST POSTERS & SPONSOR BOOTHs

Node Presenters

Fundamental Sciences & Surgical Innovation Node Speaker
11:00 – 11:10 a.m.  Dr. Hassan Razvi
“Bench to Bedside” – Surgical Research: Is this a Realistic Goal?

Fundamental Sciences Research Pitches
11:10 a.m.  Pitch #1 – Dr. Tanya DeLyzer
BioArtificial Tissue (BAT) Model to Test Novel Peptides for Attenuating Radiotherapy Induced Implant Capsular Contracture in Breast Cancer Reconstruction Patients
11:15 a.m.  Pitch #2 – Dr. Parham Rasoulinejad
MRI Based Patient-Specific Drill Templates for Pedicle Screw Fixation

11:20 a.m.  Pitch #3 – Dr. Hassan Razvi
The Effect of Antibiotics on Calcium-Based Urinary Stone Disease Through Immune Modulation

11:25 a.m.  Pitch #4 – Dr. Nicholas Power
Novel Fail-Safe Adaptor to Prevent Traumatic Accidental Urinary Catheter Removal

Surgical Education Node Speaker
11:30 – 11:40 a.m.  Dr. Peter Wang
The Surgical Personality Revisited

Surgical Education Research Pitches
11:40 a.m.  Pitch #1 – Drs. Sayra Cristancho & Megan Cashin
An Exploration of Allowing Failure as an Educational Strategy in Surgical Training

11:45 a.m.  Pitch #2 – Dr. Peter Wang
Video-Based Education: Comparing YouTube to Surgeon-Specific Videos on Resident Performance and Self-Confidence

Presentation by Award Winning MSc Student Colloquium Presentation
11:50 – 12:00 p.m.  Dr. Spencer Chambers
The Impact of Scaphoid Malunion on Radioscaphoid Joint Contact: A Computational Analysis

12:00 – 12:45 p.m.  Lunch
**NODE PRESENTERS**

*Patient Centered Research Node Speaker*

12:45 – 12:55 p.m.  **Dr. Alan Getgood**
From Instability to Stability: Results of a Multicentre RCT in ACL Reconstruction

*Patient Centered Research Pitches*

12:55 p.m.  Pitch #1 – **Dr. Parham Rasoulinejad**
Serum Metal Ion Levels Post Multi-Level Spine Surgery

1:00 p.m.  Pitch #2 – **Dr. Ken Leslie**
An Incentivized Opioid-Return System Through the Disposal of Unwanted Medications Program (DUMP trial)

*ICES/Big Data Node Speaker*

1:05 – 1:15 p.m.  **Drs. Blayne Welk, Kelly Vogt**, and **Luc Dubois**
Narcotic Use After Surgery

*ICES/Big Data Research Pitches*

1:15 p.m.  Pitch #1 – **Dr. Chris Vinden**
Ontario Surgeons vs United States Surgeons: Who Has Better Outcomes?

1:20 p.m.  Pitch #2 – **Dr. Ahmad Elnahas**
Does Surgical Start Time Lead to Complications?

1:25 p.m.  Pitch #3 – **Dr. Chris Bailey**
The Financial Cost of Redundant Radiology Reporting for Orthopedic Surgeons
1:30 p.m.  Pitch #4 – Dr. Kelly Vogt  
Who is Providing Emergency Surgical Care, and Does it Matter?

**Invited Speaker**

1:35 – 2:35 p.m.  Dr. Toni Zhong  
Quality Improvement in Breast Reconstruction to Optimize the Patient-Centred Experience

**Awards, Closing Remarks & Completion of Evaluations**

2:40 – 2:50 p.m.  Dr. Emil Schemitsch
Poll Everywhere

For the Surgical Dragon’s Den session we are using a live voting app called “Poll Everywhere”. This app is free. You can download the app from the Apple istore or for android phones you can download it from Google play. Please download the app before the Dragon’s Den session begins.

Once the app is downloaded you can participate during the voting by joining the poll. The instructions on how to join the poll are below:

1. Click on the Poll Everywhere App on your phone.
2. Go to “Join a Presentation”.
3. Enter the username: JANICESUTHER782
4. Click “Join”.
5. Vote for your choice.
This program was supported in part by educational grants from the following:

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If you require information in a different format, or if other arrangements can make this event accessible to you please email the Department of Surgery Office at: Melissa.Serrano@sjhc.london.on.ca

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Western University Campus Accessibility Map available at: http://accessibility.uwo.ca/resources/maps/maps.html

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