DR. ROBERT ZHONG

Department of Surgery Research Day

FRIDAY, JUNE 23, 2017
SHUTTLEWORTH AUDITORIUM
ST. JOSEPH’S HOSPITAL
ROOM D0-104
The Robert Zhong Department of Surgery Research Day was named in honour of Dr. Robert Zhong, a brilliant scientist and colleague who passed away in 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. 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 surgical quality of care, including quality measurement, process improvement and achieving high reliability in surgical care.
2. Examination of what the microbiomes mean for a surgeon.
3. To assess if 3D printing is the way of the future in simulated training models.
4. Overview of simulation versus hands on training.
5. The use of point of care technologies to improve patient care.
6. Impact of written discharge instructions for post-operative opioids.
7. A comparison of outpatient vs. inpatient total hip arthorplasty.
9. Overview of the impact of multi-disciplinary team meetings on patient outcomes.

(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, approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. (4 hours)

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

Please note: To obtain your Certificate of Attendance for your CME credits, you must complete the Research Day evaluation form at the end of Research Day. Forms will be collected after closing remarks.
7:00 – 9:00 a.m.  Registration/ Coffee
7:30 – 9:00 a.m.  Poster Session
9:00 – 9:05 a.m.  Opening Remarks:  Dr. Emil Schemitsch
                 Richard Ivey Professor & Chair/Chief, Department of Surgery

Award Winning Resident / Fellow Research Papers

9:05 – 9:15 a.m.  Dr. Sajjid Hossain
Division of Vascular Surgery
“Point of Care Ultrasound (POCUS) Use as Adjunct to Physical Exam and Its Impact on Arteriovenous Fistula Maturation”

9:15 – 9:25 a.m.  Dr. Sanjay Patel
Division of General Surgery
“Rectal Cancer Outcomes: the Impact of Multidisciplinary Team Meetings on 5-Year Survival”

9:25 – 9:35 a.m.  Dr. Melissa Huynh
Division of Urology
“Clinical Correlation of Patient-Derived Xenograft Model Using the Ex-Ovo Avian Embryo to Predict Targeted Therapy Tumor Resistance in Renal Cell Carcinoma”

9:35 – 9:45 a.m.  Dr. Kitty Wu
Division of Plastic & Reconstructive Surgery
“An Anthropometric Assessment of Proximal Hamate Autograft for Scaphoid Proximal Pole Reconstruction”

9:45 – 9:55 a.m.  Dr. Supriya Singh
Division of Orthopaedic Surgery
“A Prospective, Randomized Controlled Trial on the Impact of Written Discharge Instructions for Post-Operative Opioids on Patients’ Pain Satisfaction and on Minimizing Opioid Risk
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<tr>
<th>Time</th>
<th>Presenter</th>
<th>Title</th>
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<tbody>
<tr>
<td>9:55 – 10:05 a.m.</td>
<td>Dr. Sayf Gazala</td>
<td>“Survival of Lung Cancer Patients Who Underwent Invasive Mediastinal Staging Not Adherent to National Guidelines”</td>
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<td>10:05 – 10:15 a.m.</td>
<td>Dr. Morgan McWilliam</td>
<td>“A Simulated Training Model for Laparoscopic Pyloromyotomy: is 3D Printing the Future?”</td>
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<td>10:15 – 10:45 a.m.</td>
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<td>Break amongst Posters &amp; Sponsor Booths</td>
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<td>10:45 – 11:00 a.m.</td>
<td>Dr. Jeremy Burton</td>
<td>“What does the microbiome mean for a surgeon?”</td>
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<td>11:00 – 11:10 a.m.</td>
<td>Dr. Richard Ng</td>
<td>“Resiliency in the Operating Room: Exploring Trainee Stress During Surgery and the Role of Individual Resilience”</td>
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<tr>
<td>11:10 – 11:20 a.m.</td>
<td>Dr. Shane Smith</td>
<td>“Combat Vascular Trauma: from Characterization to Innovation”</td>
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Outstanding Researchers in the Department of Surgery

11:20 – 11:30 a.m.  Dr. Nicholas Power
Division of Urology
“Retroperitoneal Lymph Node Dissection: Anatomical and Technical Considerations from a Cadaveric Study”

11:30 – 11:40 a.m.  Dr. David O’Gorman
Division of Plastic & Reconstructive Surgery
“Toward Point-of-Care Detection of P. acnes Infection”

11:40 – 11:50 p.m.  Dr. Brent Lanting
Division of Orthopaedic Surgery
“Outpatient vs Inpatient Total Hip Arthroplasty: An RCT of Cost, Patient Outcomes and Complication Rates”

11:50 – 12:00 p.m.  Dr. Xiufen Zheng
Division of General Surgery
“Growth Differentiation Factor 15 (GDF15) Prevents Cold Ischemia Reperfusion Injury in Heart Transplantation”

12:00 – 1:00 p.m. Lunch amongst the Posters & Sponsor Booths

Invited Speaker

1:00 – 2:00 p.m.  Dr. Clifford Ko, “Achieving Surgical Quality: Observations from the American College of Surgeons”

Dr. Clifford Ko is the Director of the Division of Research and Optimal Patient Care at the American College of Surgeons. He oversees all the quality improvement programs, including the Bariatric Surgery Accreditation Program, the Cancer Accreditation program, the Trauma Verification program, the Surgeon Specific Registry, the Pediatric Surgery Verification Program, and the American College of Surgeons National Surgical Quality Improvement Program (ACS NSQIP). He also serves as the Director of ACS NSQIP, which recently was recognized with the Eisenberg Award from the National
Quality Forum/Joint Commission.

Dr. Ko’s work focuses on surgical quality of care, including quality measurement, process improvement, value based care, and achieving high reliability in surgical care. He has served in advisory roles to national and international efforts for achieving higher quality and safety including the World Health Organization, the Institute of Medicine, the National Quality Forum, PCORI, amongst others. He has received millions of dollars in grant funding to study quality of care from sources that include the National Institutes of Health, the Centers for Disease Control and Prevention, the American Cancer Society, the Centers of Medicare and Medicaid Services, the Agency for Healthcare Research and Quality, and the Veterans Administration. He has published over 350 peer reviewed manuscripts and has written more than 20 book chapters. He is frequently invited to speak nationally and internationally, and was recognized by Becker’s Hospital Review as one of the top 50 experts leading the field of patient safety.

Current national initiatives for Dr. Ko include overseeing the writing of the ACS Quality Manual, implementation of surgical bundles into 1000+ hospitals, and development of a geriatric surgery quality program.

Group Interactive Session

2:00 – 2:30 p.m.  **DEBATE:** Merits of Simulation Based versus Hands on Operative Training of Residents in the Face of CBME and Quality Based Outcomes

*Dr. Ken Faber* and *Dr. Rob Leeper*

**Moderator:** *Dr. Neil Parry*

Awards

2:30 – 2:40 p.m.  *Dr. Emil Schemitsch*

Closing Remarks

2:40 – 2:45 p.m.  *Dr. Emil Schemitsch*

Evaluation Forms

2:45 – 3:00 p.m.  **Completion of Participation Evaluation Forms**

Forms can be handed in at the front of the auditorium in the box provided.
This program was supported in part by educational grants from the following:

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