Dynamic Instability in Lumbar Spondylolisthesis: Comparison of Flexion-Extension Radiographs and Recumbent-Standing Imaging [C]
Vivien Chan (Neurosurgery)

Association of HPV Related Squamous Cell Carcinomas of the Oropharynx and Cervix [C]
Malak Gazzaz (Otolaryngology HNS)

Role of Iron Metabolism in Heart Failure: A focus on Iron-deficiency Use of Human Explanted Heart Samples [B]
Hao Zhang (Cardiology, Cardiac Surgery Research)

Severe Peripheral Nerve Injury: Barriers to Timely Surgical Intervention [C]
Julie Beveridge (Surgical Research, Plastic Surgery)

Disparities Among Breast Cancer Patients Who Do Not Receive Their Recommended Surgery [C]
Ashley DiPasquale (General Surgery)

Correlating First Post-Treatment Positron Emission Tomography/Computed Tomography with Survival Outcomes in Oropharyngeal Squamous Cell Carcinoma [C]
Andy Song (Otolaryngology HNS)

The Evaluation of Coronary Artery Autoregulation During NorthermERIC Ex Situ Heart Perfusion [B]
Xiao Qi (Surgical Research)

Development and Evaluation of a Trauma Registry Mobile Application for Use in Low-Income Settings [C]
Chantalle Grant (General Surgery)

Outcomes of Urethroplasty for Radiation Induced Urethral Stenoses [C]
Runhan Ren (Urology)

Closing remarks and program adjournment

PRESENTATION AWARDS

Oral Presentations 1st Prize 2nd Prize 3rd Prize
Basic Science Paper $750 $500 $250
Clinical Science Paper $750 $500 $250

Poster Presentations 1st Prize 2nd Prize
Basic Science Paper $500 $250
Clinical Science Paper $500 $250

PANEL OF JUDGES

Oral Presentations
Dr. Marc Ruel     Division of Cardiac Surgery
University of Ottawa

Dr. Norman Kneteman     Division of Transplantation

Dr. Bin Zheng     Division of Surgical Research

Basic Science Poster Presentations
Dr. Andrew Pepper     Assistant Professor
Division of Surgical Research

Dr. Karyne Rabey     Assistant Professor
Division of Anatomy

Clinical Science Poster Presentations
Dr. James Shapiro     Professor
Division of General Surgery

Dr. Mark Sommerfeldt     Assistant Professor
Division of Orthopaedic Surgery
Tom Williams Surgical Research Day
Friday, May 10, 2019

Each oral and poster presentation offers department members insight into the research being conducted within their specialty, as well as the research of their colleagues in other divisions on an annual basis.

Oral Presentations, Morning Session
Chair: Dr. Michael Kim
All presentations are 8 minutes in length. The question & answer session after each presentation will be 4 minutes in length.

- 08:45 Preoperative Long-Term Opioid Therapy Negatively Impacts Patient Outcomes After Total Knee Arthroplasty: A Retrospective Cohort Study [C]
  Michael Goplen (Surgical Research, Orthopaedic Surgery)

- 08:57 Surgical Site Infections Following Laparoscopic Bariatric Surgery: Development of the Barium Tool Using the MBSAQIP Database [C]
  Jerry Dang (Surgical Research, General Surgery)

- 09:09 Conditioning Electrical Stimulation is Superior to Postoperative Electrical Stimulation in Enhancing Nerve Regeneration and Functional Recovery [B]
  Jenna-Lynn Senger (Surgical Research, Plastic Surgery)

- 09:21 Prospective Comparison of Open and Robot-Assisted Radical Prostatectomy for Clinically Localized Prostate Cancer in the Canadian Health Care System [C]
  Ben Beech (Urology)

- 09:33 Predicting Urteric Stone Expulsion with Patient Reported Outcomes: A Prospective Observational Study [C]
  Ryan McLarty (Urology)

- 09:45 Developing a Standard Protocol for Ex-Vivo Extremity Perfusion (EVEP) [B]
  Catherine Stewart (Surgical Research)

- 09:57 Coffee

Chair: Dr. Caroline Jeffery
Should Adjuvant Therapy Be Offered for Patients Undergoing Esophagectomy Post Neo-Adjuvant CROSS Protocol for Esophageal Cancer? A Multicentre Cohort Study [C]
Iran Tavakoli (General Surgery)

Inpatient Workload Has Increased By Up to 300% Over the Last Decade: Analysis of a Urology Residency Training Program From 2007-2017 [C]
Adam Kinnaird (Urology)

Oxidative Stress-Adaptive Responses Are Induced During Extended Ex-Situ Heart Perfusion [B]
Sanaz Hatami (Surgical Research)

Predictors of Axillary Node Response in Clinically Node-Positive Patients Undergoing Neadjuvant Chemotherapy for Breast Cancer [C]
Farah Ladak (General Surgery)

Quantitative Assessment of Gait and Balance Following Deep Brain Stimulation in Parkinson's Patients [C]
Erica Chang (Surgical Research)

Fusogenic Liposomes as a Novel Nanotherapy Against Metastatic Clear Cell Renal Cell Carcinoma [B]
Jan Rudzinski (Urology)

11:20 Lunch

Poster Presentations
All presentations are 4 minutes in length. The question & answer session after each presentation will be 4 minutes in length.

  Warren Sun (General Surgery)

- 11:09 The Effect of Temperature During Initial Organ Flush in Liver Grafts Donated After Circulatory Death [B]
  Jordan Nostedt (Surgical Research, General Surgery)

- 11:15 Use of the Molecular Adsorbent Recirculating System (MARS®) in Acute Liver Failure – The University of Alberta Experience [C]
  Andrew MacDonald (General Surgery, Clinical Epidemiology Research)

- 11:20 A Look at Aortic Remodeling in Repair of Acute Type A Dissections [C]
  Abigail White (Cardiac Surgery)

- 11:22 Comparison of Three Multi-Cryoprotectant Loading Protocols for Vitrification of Articular Cartilage [B]
  Kozhou Wu (Surgical Research)

- 11:27 Peripheral Nerve Surgical Competence in Senior Plastic and Neurosurgery Trainees in Canada [C]
  Curtis Budden (Plastic Surgery)

- 11:30 Cryopreservation of Type II Pneumocytes using Small Molecule Ice Recrystallization Inhibitors [B]
  Larissa Laouter (Surgical Research)

  Kevin Nickel (Plastic Surgery)

- 11:40 Development of the Bariwound Tool Using the MBSAQIP Planning in Head and Neck Cancer Surgery [C]
  Brandon Roswall (Otolaryngology HNS)

- 11:47 The Effect of Temperature During Initial Organ Flush in Liver Grafts Donated After Circulatory Death [B]
  Jordan Nostedt (Surgical Research, General Surgery)

- 11:52 Determining the Role of von Willebrand Factor in Potential Thrombotic Complications That Are Associated With Aging and Organ Transplantation [B]
  Sabin Bozso (Surgical Research, Cardiac Surgery)

- 11:58 Should Adjuvant Therapy Be Offered for Patients Undergoing Esophagectomy Post Neo-Adjuvant CROSS Protocol for Esophageal Cancer? A Multicentre Cohort Study [C]
  Iran Tavakoli (General Surgery)

- 12:03 Association Between Frailty Status and Post-Operative Morbidity and Mortality Among Head and Neck Cancer Patients: A Prospective Cohort Study [C]
  Shanmugappiriya Sivarajah (Otolaryngology HNS)

- 12:07 Reconstruction of Proximal Bulbar Strictures Caused by Transurethral Procedures for BPH [C]
  Calum Lavoie (Urology)

- 12:12 Recellularization of Acellular Xenogenic Scaffold with Autologous Human Mesenchymal Stem Cells Rescues the Xenoreactive Immune Response [B]
  Sabin Bozso (Surgical Research, Cardiac Surgery)

- 12:14 Total Parenteral Nutrition in Ex Vivo Lung Perfusion: Addressing Metabolism Improves Both Inflammation and Oxygenation [B]
  Max Buchko (Surgical Research, Cardiac Surgery)

12:22 Coffee

12:27 Oral Presentations, Afternoon Session
Chair: Dr. Colleen Weeks
All presentations are 8 minutes in length. The question & answer session following each presentation will be 4 minutes in length.

- 13:00 Association Between Frailty Status and Post-Operative Morbidity and Mortality Among Head and Neck Cancer Patients: A Prospective Cohort Study [C]
  Shanmugappiriya Sivarajah (Otolaryngology HNS)

- 13:05 Reconstruction of Proximal Bulbar Strictures Caused by Transurethral Procedures for BPH [C]
  Calum Lavoie (Urology)

- 13:10 Recellularization of Acellular Xenogenic Scaffold with Autologous Human Mesenchymal Stem Cells Rescues the Xenoreactive Immune Response [B]
  Sabin Bozso (Surgical Research, Cardiac Surgery)

- 13:14 Total Parenteral Nutrition in Ex Vivo Lung Perfusion: Addressing Metabolism Improves Both Inflammation and Oxygenation [B]
  Max Buchko (Surgical Research, Cardiac Surgery)

13:22 Coffee

[Denotes Basic Science]  [C] Denotes Clinical Science