Department of Surgery Research Day Programme – 2018

8:15 – Salutations: Housekeeping – Michael Dunbar
Opening Remarks: Minister of Health – Honourable Randy Delorey

8:30 AM

Session I – Dr. Mark Taylor – Chair

Big Data Outcomes

Sam Jessula, Resident, CIP 8:30 AM
Where to Start? Injury Prevention Priority Scores in Canada
S. Jessula, M. Asbridge, R. Romao, R. Green, N.L. Yanchar
General Surgery

Connor McGuire, Medical Student 8:36 AM
Dog Bites in Children: A Descriptive Analysis
Connor McGuire, Alex Morzycki, Andrew Simpson, Jason Williams, Michael Bezuhly
Plastic Surgery

Ashley Drohan, Resident, CIP 8:42 AM
Real-World Impact of Laparoscopic Surgery for Rectal Cancer on Short-Term Outcomes: A Population-Based Analysis
Ashley Drohan, Marius Hoogerboord, Paul Johnson, Gordon Flowerdew and Geoff Porter
General Surgery

Panel 5 Minute Q&A 8:48 AM

Shared Decision Making

Nadim Joukhadar, Resident 8:54 AM
The Impact of Delaying Breast Reconstruction on Patient Expectations and Health Related Quality of Life: An Analysis Using the BREAST-Q
Nadim Joukhader, A Morzycki, J Corkum, O Samargandi, Jason Williams and Simon Frank
Plastic Surgery

Amanda MacDonald, Medical Student 9:00 AM
Decisional Conflict and Shared Decision Making in Older Children and Parents Considering Elective Pediatric Otolaryngology Surgeries
Amanda MacDonald, Jill Chorney, Paul Hong
Otolaryngology

Emma Wilson-Pease, Grad Student 9:06 AM
Frailty, As Measured By the FACT, Successfully Predicts Certain Adverse Outcomes Following Cardiac Surgery
Emma Wilson-Pease, G. Kephart, R. Gainer, P. Moorhouse, L. Mallery, Greg Hirsch
Cardiac Surgery
Yolonda Evong, Medical Student  
Examining Levels of Shared Surgical Decision Making in Paediatric Otolaryngology 
Using the OPTION Scale  
Yolonda Evong, G. Ungar, J. Chorney, P. Hong  
Otolaryngology

Devin Piccott, Resident  
Smoking Cessation: Do We Encourage Our Patients To Quit?  
Devin Piccott, Matthew H. Rigby, S Mark Taylor, Jonathan Trites, Elias Hirsch & Robert Hart  
Otolaryngology

Panel 5 Minute Q&A

Medical Education  
Connor McGuire, Medical Student  
Early Surgical Exposure for Medical Students: Efficacy and Effect on Choice of Electives  
Connor McGuire, Todd Dow, Kit Moran, Dafydd Davies  
Surgery

Jonathan Oore, Medical Student  
Designing a Novel Suturing Instructional Video for Medical Students  
Jonathan Oore, Michael Vaculik, Braydon Connell, David Tang  
Plastic Surgery

Ayoub Dakson, Resident  
Operative Landscape at Canadian Neurosurgery Residency Programs  
Ayoub Dakson, MK. Tso, et al.  Sean Christie (Canadian Neurosurgery Research Collaborative –CNRC)  
Neurosurgery

Todd Dow, Medical Student  
Application Rates to Surgical Residency Programs in Canada  
Connor McGuire, Todd Dow, Emma Crawley, Dafydd Davies  
Surgery

Panel 5 Minute Q&A

BREAK
10:15 AM

**Session II - Dr. Christine Herman, Chair**

**New Techniques**

**Group I**

Jordan Eng, Resident  
*Pneumatic Balloon Dilation for Palliation of Recurrent Symptoms of Achalasia after Esophagomyotomy*  
Jordan Eng, RD Stewart, J. Hawel, Daniel French and James Ellsmere  
General Surgery

Logan Atkinson, Medical Student  
*Paravertebral Catheters and Post-Operative Analgesia following Open Abdominal Aortic Aneurysm Repair*  
Logan Atkinson, S. Jessula, S. Stewart, K. Kwofie, M. Lee, M. Smith, P. Casey, Christine Herman  
Vascular Surgery

Ahmed Al-Hussain, Clinical Fellow  
*Arthroscopic Treatment for Posterior Shoulder Instability with Posterior Glenoid Bone Loss Using Distal Tibia Allograft Augmentation- Short Term Outcomes*  
Ahmed Al-Hussain and Ivan H Wong  
Orthopaedics

David Forner, Resident  
*Oncological and Functional Outcomes Following Transoral Laser Microsurgery in Patients with T2a vs T2b Glottic Squamous Cell Carcinoma*  
David Forner, M. Rigby, R. Hart, JR Trites, S Mark Taylor  
Otolaryngology

Panel 5 Minute Q&A

**Group 2**

Jonathan Melong, Resident  
*A Novel Technique for Superficial Parotidectomy Associated with Improved Outcomes*  
Jonathan Melong, B Williams, A Butler, MH Rigby, RD Hart, JR Trites, S Mark Taylor  
Otolaryngology
Todd Dow, Medical Student
The Reduction of Heterotopic Ossification Incidence Following Hip Arthroscopy In Patients Treated with Celecoxib
Todd Dow, JP King, G Swagata and Ivan Wong
Orthopaedics

Ayham Al Afif, Resident
Outcomes of Transmastoïd Resurfacing for Superior Canal Dehiscence Using a Cartilage Overlay Technique
Ayham Al Afif, Robert Farmer, Manohar Bance
Otolaryngology

Panel 5 Minute Q&A

Retrospective Review

Group 1

Peter Horwich, Resident
Intraoperative Margin Analysis and Outcomes in Surgically Treated T1-T2 Oral Cavity and Oropharyngeal Squamous Cell Carcinoma
Peter Horwich, RD Hart, S.M. Taylor, JR Trites, M Bullock, B Williams, C MacKay, Matthew Rigby
Otolaryngology

Allison Keeping, Medical Student
Surveillance of TEM Resected Lesions: Are We Being Diligent Enough?
Allison Keeping, P Johnson, C Kenyon, Katerina Neumann
General Surgery

Laura Allen, Medical Student
The Role of Repeat Fine Needle Aspiration Cytology in Improving the Diagnostic Accuracy of Thyroid Masses
Laura Allen, A Al Afif, MH Rigby, MJ Bullock, JR Trites, SM Taylor, Robert D Hart
Otolaryngology

Panel 5 Minute Q&A

Group 2

Usman Khan, Medical Student
Patient and Tumor Factors Associated with Distant Metastasis in Thyroid Cancer
Usman Khan, A Al Afif, JRB Trites, MH Rigby, SM Taylor, M Bullock, M Rajaraman, A Imran, Robert D Hart
Otolaryngology
Ashley Robinson, Medical Student  
*Predicting the Need for Re-Excision Surgery after Breast-Conserving Surgery Among Patients with Invasive Cancer With or Without Associated DCIS in the Era of SSO-ASTRO Guidelines*
Ashley Robinson, A. Drohan and Lucy Helyer  
General Surgery

Emily Gray, Medical Student  
*Carcinoma ex Pleomorphic Adenoma in Nova Scotia: Prognostic Indicators and Survival Rates*
Emily Gray, A Al Afif, Robert Hart, Martin Bullock  
Otolaryngology

Colin MacKay, Research Technician  
*Outcomes of N3 Head and Neck Squamous Cell Carcinoma*
Colin MacKay, B Williams, A Ahrari, RD Hart, SM Taylor, JRB Trites, Matthew H Rigby  
Otolaryngology

Panel 5 Minute Q&A  

**LUNCH**

*Bethune Lecture*

*Dr. Alice Aiken*
*Vice President Research*
*Dalhousie University*
1:30 PM

**Session III – Dr. David Hoskin, Chair**

**Cell Biology**

Rafaela Andrade-Vieira, Postdoctoral Fellow 1:30 PM
*NCK Proteins Contribute To Muscle Development and Function*
Rafaela Andrade-Vieira, M Qi, C Milligan, V Rafuse, Y Zhang and James P. Fawcett

Neuroscience

Alison Gareau, Postdoctoral Fellow 1:36 PM
*Ticagrelor Inhibits Platelet-Tumor Cell Interactions and Metastasis in Human and Murine Breast Cancer*
Alison J. Gareau, C Brien, S Gebremeskel, R Liwski, B Johnston, Michael Bezuhly

Plastic Surgery

Kathleen Attwood, Postdoctoral Fellow 1:42 PM
*Targeting Stress Granule Dissolution with Raloxifene Alters Translation of Known GBM Oncogenes and Promotes Cell Death*
Kathleen Attwood, A Robichaud, A Balgi, M Roberge, C McCormick, Adrienne Weeks

Neurosurgery

Antonios Diab, PhD Student 1:48 PM
*The Adaptor Protein Nck1 is an Important Regulator of Anxiety*
Antonios Diab, C Milligan, M Qi and James Fawcett

Neuroscience

Panel 5 Minute Q&A 1:54 PM

**BioMechanics**

**Group A**

Jennifer Hurry, Research Engineer 2:00 PM
*Total Knee Arthroplasty RSA in the Standing Low-Dose Biplanar EOS X-ray Imager*
Jennifer Hurry, Saad Rehan, Alan Spurway, Michael Dunbar and Ron El-Hawary

Orthopaedics

Abdihamid Abdihalim, Medical Student 2:06 PM
*MR-Arthrogram vs X-Ray and Physical Exam for the Diagnosis of Labral Tear in Patients Presenting with Hip Pain*
Abdihamid Abdihalim and Ivan Wong

Orthopaedics
Kathryn Young, Graduate Student  
*Patients Speak the Truth: Patients Who Self-Report Poor Improvements in Pain and Function After TKA Do Not Demonstrate Objective Functional Improvement During Gait*  
Kathryn L. Young, Michael Dunbar, Janie L. Wilson  
Biomedical Engineering  

Alison Wong, Resident  
*The Effect of Padded Adhesive Dressings and Body Position on Sacral Interface Pressure*  
Alison L. Wong, M Seu, D Bhat, M Nojoomi, Michael W, Justin M. Sacks  
Plastic Surgery  

Panel 5 Minute Q&A  

**Group B**  

Elise Laende, PhD Student  
*Long-Term Measures of Implant Fixation in Cemented and Uncemented Total Knee Arthroplasty*  
Elise Laende, Janie Astephen Wilson, Joanna Mills Flemming, Michael Dunbar  
Biomedical Engineering  

Abeer Kalandar, Resident  
*Three-Dimensional Anatomical Study of the Tensor Fasciae Latae Perforator Flap*  
Abeer Kalandar and Steven Morris  
Plastic Surgery  

Danielle Lowe, Resident  
*Analysis of the Tensile Patterns of the Anterior Talofibular and Calcaneofibular Ligaments during Three-Dimensional Motion*  
Danielle Lowe, M Glazebrook, Y Takeuchi, M Takao, X M Oliva, T Yamazaki, Maya Kubo, K Matsui, S Ozeki  
Orthopaedics  

Matthew Baker, Graduate Student  
*The Knee Osteoarthritis Walking Score: A Clinical Evaluation Tool for Knee Osteoarthritis*  
Matthew Baker, J Moreside, Glen Richardson, Nathan Urquhart, William Stanish, Derek Rutherford  
Biomedical Engineering  

Panel 5 Minute Q&A  

**BREAK**
Session IV – Dr. Glen Richardson, Chair

Clinical Trials

Kevin Morash, Resident
VEPTR Treatment of Early Onset Scoliosis (EOS) in Children without Rib Abnormalities: Long-Term Results of a Prospective, Multicenter Study
Ron El-Hawary, Kevin Morash, M Kadhim, M Vitale, J Smith, A Samdani, J Flynn;
Children's Spine Study Group
Orthopaedics

Victoria Kuta, Medical Student
Management of Head and Neck Primary Unknown Squamous Cell Carcinoma using Combined PET-CT and Transoral Laser Microsurgery
Victoria Kuta, B Williams, M Rigby, R Hart, J Trites, C MacKay, S. Mark Taylor
Otolaryngology

Yaeesh Sardiwalla, Medical Student
The Success of Minimally Invasive Punch Technique for Percutaneous Bone Anchored Hearing Devices – Long Term Follow Up and Direct Cost Analysis
Yaeesh Sardiwalla, Nicholas Jufas, David P. Morris
Otolaryngology

Ahmed Jad, Resident
Digital Air Leak Monitoring for Patients Undergoing Lung Resection: A Randomized Controlled Clinical Trial
Madelaine Plourde, Ahmed Jad, P Dorn, K Harris, A Mujoomdar, H Henteleff, D French, Drew Bethune
Thoracic Surgery

David Forner, Resident
Prevalence of Spatial Processing Disorder and Remediation in Children with Cleft Palate
David Forner, J MacDonald, O Meehan, M Bezuhly, M Comeau, S Aiken, Paul Hong
Otolaryngology

Panel 5 Minute Q&A

Meta Analysis

Kaitlin Boehm, Resident
Iliac Crest Bone Graft Donor Site Morbidity in Craniofacial Surgery: A Systematic Review
Kaitlin Boehm, MT Al-Taha, A Morzycki, O Samargandi, SA Al-Youha, Martin LeBlanc
Plastic Surgery
Mark Hanes, Research Assistant

BCG-Biotherapy for Melanoma Patients Resistant To IL-2-Immunotherapy
Mark R. Hanes, Michael A. Giacomantonio, Carman A. Giacomantonio
General Surgery

Alex Morzycki, Medical Student

Reporting Adverse Events in Plastic Surgery: A Systematic Review of Randomized Controlled Trials
Alexander Morzycki, A Hudson, O Samargandi, M Bezuhly, Jason G. Williams
Plastic Surgery

Panel 5 Minute Q&A

Closing Remarks

FIN

4:30 PM Cocktail Hour
5:00 PM Announcement of Winners

As an accredited provider, Dalhousie University, CPD, designates this continuing professional development activity for up to 5.75 credit hours as an accredited group learning Section 1 activity as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

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