

DOS RESEARCH DAY TIMED PROGRAM

April 8, 2025

8:15:00AM	Session I		
8:15:00 AM	Parker, Ellen	Resident	Diagnostic and Treatment Timelines for Patients Diagnosed with Glioblastoma in Nova Scotia
8:24:30 AM	Ong, Ryan	Medical Student	Correlation of Sit-to-Walk and Sit-to-Stand Performance with Gait Kinematic Outcomes and Self-Reported Pain and Function in End-Stage Knee Osteoarthritis
8:34:00AM	Clark, Katie	Grad Student	Genomic And Immunological Mechanistic Insights of Targeted Hyperthermia Therapy and its Synergy with Immunotherapy in Solid Tumors
8:43:30AM	Dr. Jim Fawcett	Faculty	Basic Science Collective
8:53:00 AM	Westhaver, Lauren	Grad Student	Immunophenotyping of Longitudinal Peripheral Blood Mononuclear Cells from Patients with Glioblastoma to Distinguish Pseudoprogression from True Progression
9:02:30 AM	Azizieh, Yara	Grad Student	Characterizing Renal Tubular Epithelial Injury During Donation after Circulatory Death (DCD) and Possible Amelioration With PKX-001.
9:12:00 AM	Selman, Tammy	Resident	Rehabilitation Goals for Hand and Upper Extremity Function after Cervical Spinal Cord Injury: A Retrospective Study.
9:21:30 AM	Khan, Usman	Resident	The Oncologic Outcomes of Buccal Squamous Cell Carcinoma: A Multi-institutional Study
9:31:00 AM	Knight, Danika	Medical Student	Analysis of Patient Presentation to the ED within 90-days of Infra-inguinal Bypass
9:40:30 AM	Dame, Anthony	Resident	Unveiling the Drivers of Ninety-Day Emergency Department Visits Post Thoracic Surgery: A Nova Scotia Health Study
9:50:00 AM	MacIntyre, Olivia	Medical Student	Predicting Flap Survival in Autologous Breast Reconstruction Using Multispectral Near Infrared Spectroscopy (MS-NIRS) Imaging

10:00:00 AM BREAK

10:20:00 AM	Session II		
10:20:00 AM	Bierer, Joel	Resident	Commitment to Excellence: Six-Year Review of a Longitudinal Quality Improvement Program in the Division of Cardiac Surgery
10:29:30 AM	McLeod Van Wagoner, Skylah	Medical Student	Lymphedema Severity and QoL as a Function of Selective Neck Dissection Technique: a Retrospective Cohort Pilot Study
10:39:00 AM	Ammoury, Nadim	Grad Student	Targeting Functional Deficits: Associations Between Distal Femur Morphology and Passive and Dynamic Frontal Plane Knee Kinematics in Arthroplasty Patients For Personalized Robotic Surgery
10:48:30 AM	Dr. Greg Hirsch	Faculty	Quality Care Research

10:59:00 AM	Smith-Forrester, Jenna	Resident	Quality Improvement in Neurosurgery: The Success of the Spine Assessment Clinic in Reducing Post-Op Emergency Department Visits
11:08:30AM	Hathi, Kalpesh	Resident	Patient Perspectives of Quality Compared to Quantity of Life Regarding Orbital Exenteration
11:18:00AM	Piccolo, Olivia	Medical Student	Self Inflicted Hand Fractures as a Predictor of Future Psychiatric Conditions in Pediatric Population
11:27:30 AM	Keeping, Allison	Resident	Indications, Findings, and Follow-Up Recommendations Among Patients Who Underwent Frequent Colonoscopy at Tertiary Care Centre
11:37:00 AM	Bydoun, Moamen	Medical Student	The Impact of BMI on Operative Decision Making in Patients Undergoing Colorectal Surgery in Nova Scotia, Canada
11:46:30 AM	Whitcomb, Michael	Resident	Associations between SSRIs and Adverse Events Following Arthroplasty for Total Hip and Knee Arthroplasty
NOON			
12:45:00 PM	Keynote	Muhammad Mamdani	Applied Artificial Intelligence in Health Care
13:30:00 PM			3-D Presentations: A spotlight on Interdisciplinary Research in the Departments of Anesthesia, Ophthalmology and Surgery
13:30:00 PM	Surgery	Vibha Gaonkar	Predicting Programming Thresholds in Subthalamic Nucleus Deep Brain Stimulation using Intraoperative Motor Evoked Potentials: General versus Local Anesthesia
13:40:00 PM	Anesthesia	Parnian Hosseini	Implementation of Enhanced Recovery After Cardiac Surgery at the QEII Initial Phase and Baseline Data
13:50:00 PM	Ophthalmology	Ellen Zhou	proteomic Analyses for Different Stages of Primary Open Angle Glaucoma-A Pilot Study of 8000 with Stringent Criteria

14:00:00 PM

BREAK

14:30:00 PM	Session III		
14:30:00 PM	Dauphinee, Laura	Grad Student	Establishing a Spatio-Temporal Atlas of Gene Expression After Traumatic Spinal Cord Injury
14:39:30 PM	El-Rabahi, Tony	Medical Student	Modified Ultrafiltration Does Not Reduce Inflammatory Mediator Burden After Children's Heart Surgery with Cardiopulmonary Bypass
14:49:00 PM	Almazroui, Latefa	Resident	Psychologic disorders may be associated with longer LOS after colorectal surgery in a multicenter cohort
14:58:30 PM	Whelan, Kennedy	Grad Student	Environmental Carcinogenesis in Lung Cancer: Sodium Arsenite-Induced PML Dysregulation and LINE-1 Activation
15:08:00 AM	Ghouti, Loukman	Medical Student	Multifaceted Program to Improve Discharge on Antiplatelets and Statin Medications

15:17:30 PM	Leong, Edwin	Grad Student	Ketotifen Inhibits the Pro-Fibrotic Phenotype of Activated Skin Fibroblasts
15:27:00 PM	Ali, Shaliza	Visiting Resident	The Yield of MSI testing and Clinical Pathological Profile in Colon Cancer Patients in a Resource Limited Population
15:36:30 PM	Alshammari, Salem	Resident	Predictors of Depressive Symptoms in Traumatic Upper Extremity Peripheral Nerve Injury: A Prospective Cohort Pilot Study
15:46:00 PM	Roggeveen, RJ	Medical Student	Watch & Learn: Nursing Shadowing by Surgical Residents
15:55:30 PM	Krueger, Kavita	Grad Student	Identification of Novel Genetic Mutants in Nephrotic Syndrome – A Case for Understanding Personalized Medicine
16:05:00 PM	El-Rabahi, Tatiana	Medical Student	Care Maps for Open Atrial Septal Defect Repairs in Pediatrics: Are They Really Decreasing Hospital Length of Stay?
16:14:30PM	McDonald, Logan	Resident	Benchmarking Colorectal Cancer (CRC) Surgical Outcomes in Nova Scotia Against an International Cohort
16:25:00 PM	Dr. Gail Darling	Head, DOS	Closing Remarks
16:30:00PM:	Social		
17:00:00 PM	Announcement of Winners		