

RESIDENTS & FELLOWS RESEARCH DAY

THURSDAY

NOVEMBER 14, 2024

8:45AM TO 4:30PM

CONFERENCE CENTRE
4TH FLOOR



UNIVERSITY OF CALGARY
CUMMING SCHOOL OF MEDICINE

Alberta Children's Hospital



Alberta Health
Services

Program Schedule

Time	Location	Event	
08:45-09:00	Conference Room 3	Clinician Investigator Program	Dr. Jacqueline McMillan
09:00-09:15		ACHRI Trainee Association	Meghan Maiani
09:15-09:30		ENRICH Program	Dr. Marinka Twilt
09:30-10:30		Keynote Presentation: Building a Career in Research—Lessons Learned from a `CV of Failures`	Dr. Adam Cheng
10:30-10:40	Break		
10:40-11:30	Conference Rooms 2, 3, & 4	Digital Poster Presentations Session 1 See page 4 for individual presentations	
11:30-11:45	Break		
11:45-12:25	Conference Rooms 2, 3, & 4	Digital Poster Presentations Session 2 See page 5 for individual presentations	
12:25-13:45	Lunch		
13:45-14:35	Conference Rooms 2, 3, & 4	Senior Digital Poster Presentations Session 3 See page 6 for individual presentations	
14:35-14:45	Break		
14:45-16:15	Conference Room 3	Senior Oral Presentations See page 7 for individual presentations	
16:15	Closing Remarks		

Keynote Speaker



Adam Cheng

MD FRCPC

Professor, Departments of
Pediatrics and Emergency
Medicine

University of Calgary,
Alberta Children's Hospital

Dr. Adam Cheng is Professor, Departments of Pediatrics and Emergency Medicine at the University of Calgary in Calgary, Canada. As a scientist and researcher at the Alberta Children's Hospital Research Institute, he oversees a program of simulation-based research focused on improving outcomes from cardiac arrest. He co-founded the INSPIRE network, an international research simulation collaborative with over 300 institutions that has fostered the global dissemination of simulation-based research. He has served on the Board of Directors and was named to the Academy of Fellows in the Society for Simulation in Healthcare. He has provided leadership for various international simulation conferences and delivered lectures and workshops at conferences around the world. Dr. Cheng conducts research with interests in cardiopulmonary resuscitation and debriefing, and has led numerous multicenter simulation-based research trials. He has edited several textbooks and authored various American Heart Association Cardiopulmonary Resuscitation guidelines and scientific statements.

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Digital Poster Presentations Session 1

Time	Group 1A Jennifer Thull-Freedman Conference Room 2	Group 1B Jessalyn Holodinsky Conference Room 3	Group 1C Amelie Stritzke Conference Room 4
10:40 – 10:50	Mattea Lee	Raghda Sultan	Sonalika Mehta
	Relationship of pain interference, sleep and reported physical activity in pediatric cancer survivors	Prevalence of Sleep-Disordered Breathing in Children with Cystic Fibrosis on CFTR Modulators	Poor cord gas vs low Apgar score as a risk for brain injury in HIE: Is Brain MRI the answer?
10:50 – 11:00	Nikki Nguyen	Cailey Turner	Alyssa Yip
	Patient-reported outcomes and measures in the follow-up of children with obstructive sleep apnea: A scoping review	Exploring Adverse Health Events Following COVID-19 and Flu Vaccination in Immunocompromised Pediatric Patients	Detecting unmet developmental needs in young children in the ACH ED
11:00 – 11:10	Marika Grant	Amira Kalifa	Jayelle Friesen-Enns
	First, Do No Harm: Exploring the Problem with Platelets in Premies	Beyond the Surface: Evaluating Scalp EEG vs. SEEG for Seizure Detection in Pediatric Drug-Resistant Epilepsy	Indigenous Health Equity in the Emergency Department: Phase 2 of the I-HEED Study
11:10 – 11:20	Madeleine Sumner	Megan Quigley	Talal Jawdat
	Predictors of healthcare revisits among children presenting to emergency departments with acute gastroenteritis: A multicenter prospective cohort study.	Understanding Bone Mineral Density and Fracture Risk in Pediatric Eating Disorder Patients	Exploring Parental Perceptions and Concerns about Antibiotic Resistance and Stewardship in Pediatric Care: A Thematic Analysis of Family Insights at Alberta Children's Hospital
11:20 – 11:30	Katie Gourlay		Sara Alhadhrami
	Examining Healthcare Worker Experiences of Violences within Emergency Departments in Calgary		Concordance between standardized autism assessments and clinical diagnoses in a subset of children referred for tertiary Developmental Pediatrics assessment

Digital Poster Presentations Session 2			
Time	Group 2A Jennifer Thull-Freedman Conference Room 2	Group 2B Jessalyn Holodinsky Conference Room 3	Group 2C Amelie Stritzke Conference Room 4
11:45 – 11:55	Surina Grover	Hari Ramachandran	Nicola Panaccione
	Prevalence and Risk factors for Refeeding Syndrome in Diabetic Ketoacidosis	A window with a view: Can NPi offer a unique perspective to clinical severity of HIE?	Digesting the Experience: A Qualitative Exploration of Food Beyond Nutrition in Pediatric HPN
11:55 – 12:05	Lan Truong	Mary-Claire Verbeke	Musab Alshareef
	Fruit for Down Under From Down Under: Palatability and acceptability of Actazin (frozen dry kiwifruit chewable tablets) for treatment of functional constipation in children ≥ 4 years.	Adverse outcomes of Pediatric Shiga-toxin producing E.Coli-associated Hemolytic Uremic Syndrome: A Systematic Review and Meta-Analysis	Addressing barriers newcomers face when obtaining routine childhood vaccines in Alberta
12:05 – 12:15	Kara Sidhu	Geoffrey Casey	Ruth Legese
	Exploring patient factors that influence the efficacy of cryoneurolysis for the management of pain in patients with knee osteoarthritis	Learning together: Characterization of caregiver experience and development of a caregiver -focused educational resource for new diagnoses of genetic neurodevelopmental disorders with copy number variants	Advancing Equity in Pediatric Healthcare: Collection of Disaggregated Social Determinants of Health (SDOH) Data in Canadian Electronic Health Records (EHRs)
12:15 – 12:25	Lemia Ismael	Maha Boctor	Abbey Pagee
	Sugar Highs and Mental Lows: Uncovering Hidden Struggles in Adolescents with Type 1 Diabetes	Early biomarkers for Bronchopulmonary Dysplasia: Are Carboxyhemoglobin and Methemoglobin levels associated with BPD in preterm infants?	Shaping Skills: How does a 3D-printed model for intubation training compare to a traditional manikin?

Senior Digital Poster Presentations Session 3			
Time	Group 3A Jennifer Thull-Freedman Conference Room 2	Group 3B Jessalyn Holodinsky Conference Room 3	Group 3C Gerry Giesbrecht Conference Room 4
13:45 – 13:55	Emily Allin	Jessica Tomasi	Krithika Rajan
	Do Lectures Work? Evaluating preferred study methods of pediatric residents and perceived effectiveness of lecture-based learning	Safety by Design: Using Human Factors to understand and prevent medication errors in the PICU	Congenital Syphilis- a silent resurgence: a retrospective study
13:55 – 14:05	Chelsea Gilbert	Preet Walia	Sugee Korale Liyanage
	Evaluating Barriers and Opportunities for Immunization in Hospitalized Children: a Multi-Centre Qualitative Study	Barriers to Research Participation during Inpatient Admissions at Alberta Children's Hospital	Who is wheezing? Prevalence and characteristics of refugee children with asthma in Calgary
14:05 – 14:15	Rachel Lipp	Erin Degelman	Siobhan Wong
	Non-invasive Respiratory Support or Intubation during Stabilization after Birth and Neonatal and Neurodevelopmental Outcomes in Preterm Infants 23-25 Weeks of Gestation	Where are all the bone marrow failures? Using ICD codes to find a cohort of rare syndromes treated at ACH	Addressing barriers newcomers face when obtaining routine childhood vaccines in Alberta
14:15 – 14:25	Tariq Vira	Cory Lefebvre	Fady Dawoud
	Transcriptomics informing therapy in Inflammatory Bowel Disease (IBD)	The development of a measure of family-care appropriate conditions that present to the Alberta Children's Hospital pediatric emergency department	Neonatal Seizure Control. The response to single versus multiple medications in neonates presenting with seizures
14:25 – 14:35	Tanelle Smith	Tamara Yee	Rachel Alberati
	Indigenous Perspectives in Health Research: Development of an Indigenous Critical Appraisal Tool for Canadian Contexts	Should we stay, or should we go now? The clash between the attempt to receive ROSC prehospital or in-hospital for Out-of-Hospital Cardiac Arrest	Joining the IV League: When are long IVs advantageous over peripheral IVs

Senior Oral Presentations Conference Room 3		
Time	Resident	Title
14:45-15:00	Alex Corrigan	Can a Curriculum be Customized? Tailoring a Care Crisis Curriculum to Individual Learner Needs
15:00-15:15	Kehinde Omole	Disparity in rates and severity of emergency department visits for acute allergic reactions and anaphylaxis over a decade trend in Calgary: Signal for overdiagnosis
15:15-15:30	Sophie Rossini	Sleep disruption in caregivers of children admitted to Alberta Children's Hospital
15:30-15:45	Sarah O'Neill	COVID-19 Vaccine Hesitancy among Pediatric Oncology and Bone Marrow Transplant Patients
15:45-15:55	Daphne Cheung	Preventing Unintentional Pediatric Cannabis Ingestion (PUPCI)
15:55-16:05	Jesse Grist	A case of restrictive dermopathy in a Hutterite newborn: Diagnosis and creative skin-directed management
16:05-16:15	Sarah Tougas	Alberta Children's Hospital Readmissions
16:15	Closing remarks	

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Research Course Committee

Course Committee Members: Dr. Jennifer Thull-Freedman
 Dr. Gerry Giesbrecht
 Dr. Serena Orr

Course Coordinator: Jolene Haddad

Presented in Partnership with:

Alberta Children's Hospital



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