

20th
ANNUAL

HEI RESEARCH DAY

Thursday, March 23rd, 2023 | Sheraton Hotel, Hamilton

8:00 AM - 9:00 AM REGISTRATION, CONTINENTAL BREAKFAST AND POSTER VIEWING
9:00 AM - 9:15 AM EAST BALLROOM – OPENING REMARKS by Department Chair, *Dr. Alfonso Iorio – Chair of HEI*

PLENARY SESSION I – EAST BALLROOM

9:15 AM - 9:45 AM Building a Research Program from the Ground Up: Critical Care Career Reflections , *Dr. Deborah Cook*
9:45 AM - 10:00 AM Discussion – Moderator: *Dr. Romina Brignardello-Petersen*

SPOTLIGHT SESSION – EAST BALLROOM

10:00 AM - 10:15 AM David Sackett Scholarship Recipient 2021-22 | Evaluating therapies and biomarkers in chronic cough, *Elena Kum*
10:15 AM - 10:30 AM Multi-Country COVID-19 Public Policies | International COVID-19 Policies and Epidemiology Working Group:
Overview and lessons learned from country comparisons – *Dr. Elizabeth Alvarez*

10:30 AM - 10:45 AM CENTRE/SOUTH WEST BALLROOM & FOYER – REFRESHMENT BREAK & POSTER VIEWING

10:45 AM - 12:00 PM ORAL ABSTRACT SESSIONS

EAST BALLROOM | CONCURRENT SESSION A – Moderator: *Dr. Emma Apatu*

1. Hajar Abu Alrob - Trends in osteoporosis hip fracture and treatment rates in Ontario: a population-based cohort study
2. Ahmad Sofi-Mahmudi - Transparency of COVID-19-related research: A meta-research study
3. Carlos Zaror - Intra-articular corticosteroids for pain management of temporomandibular joint internal disorders: a systematic review and network meta-analysis
4. Shania Bhopa - Designing and Implementing Nature-Based Interventions in Community Settings
5. Irina Oltean - Severe maternal and perinatal morbidity associated with attempted operative vaginal delivery versus cesarean delivery in the second stage of labour in high-income countries: A systematic review and meta-analysis

MacNAB ROOM | CONCURRENT SESSION B - Moderator: *Dr. Lawrence Mbuagbaw*

1. Yulika Yoshida-Montezuma - Association of Birth Weight With Risk of Diabetes, Hypertension and Ischemic Heart Disease in Young Adulthood
2. Tyler McKechnie - The Impact of a History of Bariatric Surgery for Weight Reduction Prior to Surgery for Colorectal Cancer: Analysis of the National Inpatient Sample 2015-2019
3. Darly Dash - Examining associations between frailty and individual or institutional factors to understand COVID-19-related death in long-term care residents: A multi-level retrospective cohort study
4. Wael Abdelkader - Deep Learning to Refine the Identification of High-Quality Clinical Research Articles from the Biomedical Literature: Performance Evaluation
5. Dipika Desai - Association of acculturation and dietary intake among South Asian, Chinese, and European origin immigrants living in Ontario, Canada

12:00 PM – 1:30 PM CENTRE/SOUTH WEST BALLROOM & FOYER – LUNCH AND POSTER PRESENTATIONS

12:30 PM – 1:30 PM EAST BALLROOM – INTERACTIVE STUDENT SESSION

1:30 PM – 2:45 PM ORAL ABSTRACT SESSIONS

EAST BALLROOM | CONCURRENT SESSION C - Moderator: *Dr. Aaron Jones*

1. Lily J Park - Fast Track Pathway to Accelerated cholecystectomy versus Standard of care for acute cholecystitis (FAST) Pilot Trial
2. Adam S Komorowski - Methodological and reporting quality of non-inferiority randomised controlled trials comparing antiretroviral therapies: A systematic review
3. Mats Junek - The effects of initial treatment on relapse of ANCA-associated vasculitis in the PEXIVAS trial
4. Alexandra Mayhew - What is “normal” physical function in older adults? An analysis of data from the Canadian Longitudinal Study on Aging
5. Komal Aryal - Predicting Death for Nursing Home Residents in Ontario Before and After COVID-19 Vaccination

MacNAB ROOM | CONCURRENT SESSION D - Moderator: *Dr. Russell de Souza*

1. Tanvir Jassal & Sarah Kirsh - The comparative effectiveness of pharmacotherapies for migraine prevention: a systematic review and network meta-analysis
2. Bhavneet Kaur Bhangu - A Population-Based Cohort Study: Examining the Differences in the Characteristics and Patterns of Health Care Use Among Patients Receiving Palliative Care Who Have Frequent Use of the Emergency Department Services During the Pandemic
3. Samer George Karam - Assessing Risk of Bias of Individual Studies about People's Values, Preferences, Utilities and Outcomes
4. Mansi Patel - Transition Needs Among Veterans Who Live with Chronic Pain: A Systematic Review
5. Fatemeh Mirzayeh Fashami - Olaparib versus placebo in maintenance treatment of germline BRCA-mutated metastatic pancreatic cancer: A cost-utility analysis from the Canadian public payer's perspective

2:45 PM - 3:00 PM CENTRE/SOUTH WEST BALLROOM & FOYER – REFRESHMENT BREAK & POSTER VIEWING

PLENARY SESSION II – EAST BALLROOM

3:00 PM - 3:30 PM Autism Chronogeneity: Implications for Research, Policy and Care, *Dr. Stelios Georgiades*
3:30 PM - 3:45 PM Discussion – Moderator: *Dr. Joseph Beyene*

3:45 PM - 4:00 PM EAST BALLROOM – CONCLUDING REMARKS AND AWARD PRESENTATION, *Dr. Alfonso Iorio*

4:00 PM - 5:00 PM CENTRE/SOUTH WEST BALLROOM & FOYER – RECEPTION

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HEALTH SCIENCES
Health Research Methods,
Evidence, and Impact



POSTER ABSTRACT PRESENTERS

(HEI) Evaluating the integration of Machine Learning in a living systematic review of prognostic studies on the use of anticoagulation for thromboprophylaxis in hospitalized patients with COVID-19	Tamara Lotfi	Feasibility of Establishing a Canadian Obstetric Survey System (CanOSS) for Severe Maternal Morbidity: Interim Results of Qualitative Interviews	Rebecca Seymour
"I'm the only one that's thinking about the kids": Stories of child life specialists working in adult oncology environments	Shipra Taneja	Health care utilization patterns among patients with mental health and substance use conditions who were high users of the ED during the COVID-19 pandemic	Natasha Khalid
"We're all just trying to do right by our patients": Clinician and researcher moral experiences of engaging with COVID-19 research during the first wave of the pandemic	Rachel Yantzi	Impact of Vincristine-Steroid Pulses in Maintenance for B-Cell Pediatric ALL: A Systematic Review and Meta-Analysis	Louise Guella
A cohort study: an examination of high emergency department utilization among Ontarians who have a history of homelessness	Harnanvir Dhalival	Implementation of Integrated Knowledge Translation in the A/C study	Agatha Nyambi
A knowledge mobilization strategy to increase the awareness, use and engagement of a digital map of COVID-19 recommendations	Ashley Motilali	Instruments assessing risk of bias of randomized trials frequently included items that are not addressing risk of bias issues	Ying Wang
A policy analysis of Medical Assistance in Dying using the Advocacy Coalition Framework: Explaining the changes from federal bills C-14 to C-7	Roma Dhamanaskar	Lessons Learned: COVID-in-LTC Study Recruitment and Retention Strategies	Milena Hurtarte
A review of the implementation of positionality, reflexivity, and QuantCrit on health research	Margret Lo	McMaster Development and Dissemination of Canadian Post COVID-19 Condition Guidelines and Knowledge Translation Products	Wojtek Wiercioch
A systematic review of prevention trials using motivational interviewing	Taylor Incze	Measures of retention in HIV care: A study within a review (SWAR)	Nadia Rehman
A Systematic Review of the Reporting Quality of Qualitative Research in Breast Plastic Surgery	Caroline Hircoc	Methodological Concerns in Occupational Lung Function Decline: A Systematic Review and Network Meta-Analysis	Qaseem Ashemi
Adaptive Value of Premature Menopause on Reproductive-related Mortality Rate	Hiya Shah	Mode of delivery in the second stage and risk of preterm birth in the subsequent pregnancy: a systematic review and meta-analysis	Abirami Kirubakaran
An Intervention for Adolescents and Parents Transitioning Out of Pediatric Eating Disorder Services: Findings from a Mixed Methods Feasibility Assessment	Maria Nicula	Myocarditis and pericarditis after Covid-19 immunization: A systematic review.	Glenis Berroa
Are there missing randomized trials in Cochrane systematic reviews and what is their impact on the results?: A methodological study	Gonzalo A Bravo-Soto	Non-Pharmacological Management of Pediatric Dental Anxiety: A Scoping Review	Sara Ibrahim
Asian-White disparities in obstetric anal sphincter injury: A systematic review and meta-analysis	Meejin Park	Nudging interventions to promote vaccination: A systematic review and meta-analysis	Geemitha Ratsayake
Assessing Indirectness of Individual Studies about Peoples' Values, Preferences, Utilities and Outcomes	Samer George Karam	Opioid Reduction/Elimination in Orthopaedic Surgery (OREOS): Survey of Knee and Hip Replacement Patient Perceptions	Mansi Patel
Assessment of the quality of reporting of randomized controlled trials investigating the effects of inulin-type fructans supplementation on cardiovascular disease risk factors: a systematic survey	Jhalok Ronjan Talukdar	Patient engagement in sarcoma research: benefits, challenges, importance, and implications	Caitlyn Ivany, HB.Sc
Association between sputum eosinophilia and improvement in cough frequency in patients receiving inhaled corticosteroids for chronic cough secondary to asthma: a protocol for a single-centre, prospective observational cohort study	Elena Kum	Patient Perceptions about Same Day Discharge Arthroplasty	Imad Kashir
Associations between Physical Distancing Behaviours and Changes in Alcohol Use among Older Canadians During the COVID-19 Pandemic from the Canadian Longitudinal Study on Aging	Kiara Panno	Patient values and preferences in decisions over medical cannabis use for chronic pain: A descriptive qualitative study	Hanson Cummings
Atopic dermatitis as a risk factor for developing food allergy in infants and children: A systematic review and meta-analysis	Dr. Nazmul Islam	PeerOnCall: Exploring how organizational culture shapes implementation of a peer support app for public safety personnel	Navdeep Goraya
Canadian Veterans' experiences of living with chronic pain and access to services	Eileen Wang	Perfusion vs Non-perfusion Computed Tomography Imaging in the late window of Emergent Large Vessel Ischemic Stroke: A Systematic Review and Meta-analysis	Jose Danilo B. Diestro MD
Challenges and innovations in evidence synthesis and evaluation during the COVID-19 pandemic	Sarah Kirsh, Tanvir Jassal	Primary Care Physicians' Perspectives on Digital Health Tools for Chronic Disease Management: A Rapid Review	Derya Demirci & Hannan Minhas
Changes in behavioural cancer risk factors during the COVID-19 pandemic: an umbrella review	Jayati Khattar	Prior infection in an elderly vaccinated population increases the risk of a subsequent infection: An immunological paradox of the COVID-19 era	Javier Ruiz Ramirez
Characteristics of relapse of individuals with ANCA-associated vasculitis enrolled in the PEXIVAS trial	Mats Juneke	Protocol for a randomised controlled trial of a culturally-tailored personalized nutrition intervention in South Asian women at risk of Gestational Diabetes Mellitus: the DESI-GDM study	Rosain Stennett
Co-designing healthy active living interventions with families, service providers, and community members in Hamilton, Ontario: a SCORE! project	Natasha Ross	Protocol for the design and evaluation for a community advisory board	Shania Bhopa
Community level youth-led interventions to improve maternal-neonatal outcomes in low-and-middle income countries: a systematic review	Tonya MacDonald	Psilocybin for medical indications: A scoping review	Kim Madden
Comparing manufacturer submitted analysis and common drug review economic re-analysis: A review of health technology assessment reports for non-oncology medications from 2018 to 2022	Fatemeh Mirzayeh Fashami	Public health surveillance of changes in attitudes towards cancer risk factors during the COVID-19 pandemic: Sentiment and emotion analysis of Twitter data	Nicolette Christodoulakis
COORDINATION OF ORAL ANTICOAGULANT CARE at HOSPITAL DISCHARGE (COACHed): Pilot Randomised Controlled Trial	Victoria Telford	PURE: Association of Respiratory Symptoms and Occupation Group - a Baseline Study of 4 Countries	Malak Al-Hadidi
COVID-19 Physical Distancing Policies and Epidemiology in Germany: A Qualitative Case Study	Cheng En Xi	Rehabilitation recommendations in Clinical practice guidelines. A content analysis	Maria-José Oliveros
COVID-19 Physical Distancing Policies and epidemiology in Iran and New Zealand: A Comparative Analysis	Hossein Motamed	Social Determinants of Sepsis: A Prospective, Pilot Observational Cohort Study	Fatima Sheikh
COVID-19 Physical Distancing Policies and Epidemiology in Israel January 2020 - December 2022: A qualitative case study	Rebecca Roy	Sociodemographic factors associated with vaccine hesitancy in the South Asian community in Canada	Baanu Manoharan
COVID-19 Physical Distancing Policies and Epidemiology in Pakistan	Maryam Anjad	Sri Lanka physical distancing policies and epidemiology from October 2020 - August 2022: A qualitative case study	Mythili Thatparanathan
COVID-19 Physical Distancing Policies and epidemiology in Sweden from January 2020 - August 2022: A case report	Saduni Rajapaksa	Strengthening Community Roots: Anchoring Newcomers In Wellness & Sustainability (SCORE!) Community Leader and Program Coordinator Interviews	Margret Lo
COVID-19 public health policies and epidemiology in Italy	Sabrina Sorbara	Summarizing the impacts of policies that limit the use of single-use plastic items: a literature review using a systematic approach	Itai Malkin
Cross-cultural adaptation and validation to Spanish of the PANELVIEW instrument to evaluate the clinical practice guideline development process	Carlos Zaror	Tande nou gwonde! (Hear us roar!) - Youth perspectives of maternal near-misses: protocol for a Photovoice study of youth experiences of maternal near-misses in northwest Haiti	Tonya MacDonald
Data augmentation approaches in training machine learning models to identify high quality biomedical studies: experimental study	Elham Bagheri	Telephone counselling to improve food reintroduction after negative oral food challenges (ENTICE): a protocol for a pilot, multicentre, allocation-concealed, parallel-group randomized controlled trial	Elena Kum
Decision Curve Analysis Comparing the Net Benefits of Wells Score with Updated Coefficients for Deep Vein Thrombosis (DVT)	Amidu Raifu	The Appropriateness and Quality of Patient-Reported Outcome Measures (PROMs) in Plastic Surgery Randomized Controlled Trials: A Systematic Review	Patrick Jinyung Kim
Determining the minimal important difference for the ALSFRS-R: a protocol for an international, multicentre, prospective cohort study	Elena Kum	The association of funding source and reporting quality with treatment effects among randomized trials on the management of pain associated with temporomandibular disorders: A meta-epidemiological study	Sara Moradi
Development of the Applicability Instrument: A framework for evaluating the directness of individual studies included in systematic reviews and clinical practice guidelines	Taylor Buchan	The associations between osteosarcopenia and falls, fractures, and frailty in older adults: Results from the Canadian Longitudinal Study on Aging (CLSA)	Ahreum Lee
Diagnostic accuracy and limit of detection study for the Seegene Altpex™ GI-Parasite Assay using sodium acetate/acetic acid/formalin-preserved stool	Adam S. Komorowski	The comparative efficacy and safety of biologic therapies for asthma: a systematic review and network meta-analysis	Sarah Kirsh, Tanvir Jassal
Disordered eating behaviours among youth and its impact on BMI	Jayson Brian Habib	The Conceptualization of Pregnancy-Associated Maternal Morbidity in Research Studies: A Scoping Review	Rohan D'Souza
Does my N95 fit? A Mixed-Methods, Prospective Pilot and Feasibility Study	Fatima Sheikh	The current postpartum care experiences of women with FGM using NHS services in the UK	Rebecca Seymour
Effect of allocation concealment and blinding in trials addressing treatments for COVID-19: A methods study	Sarah Kirsh, Tanvir Jassal	The ICARE study: An Integrated Collection of Education Modules on Fall and Fracture Prevention for Healthcare Providers	Momina Abbas
Effects of social gender transition for young individuals with gender dysphoria: A systematic review and meta-analysis	Anna Miroshnychenko	The impact of blinding on trial results: a systematic review and meta-analysis	Tanvir Jassal, Sarah Kirsh
Effects of the Community Paramedicine at Clinic (CP@clinic) Program on the health behaviours of older adults residing in social housing	Jasdeep Brar	The PADs Study: Comparing the Reliability of Physical Activity Questionnaires in Adults with Stroke	Sohnia Sansanwal
Efficacy and safety of gefapixant for treatment of refractory or unexplained chronic cough: a systematic review and dose-response meta-analysis	Elena Kum	Treatments for ADHD in adults in jails, prisons and correctional settings: a scoping review of the quantitative and qualitative evidence	Cory Byrne
Equity, Diversity and Inclusion Considerations in GRADepro Health Guideline Development for Race-corrective Technology	Zara Hasan	Understanding maternal morbidity from the perspectives of women & people with pregnancy experience: a concept analysis	Tegwendee Seedu
Establishing Process and Outcome Metrics for Primary Care Quality of Older Adults using Health Administrative Data: A RAND/UCLA Modified Delphi Study Protocol	Rebecca Correia	User experience with a specialized repository of COVID-19 literature: A survey-based study	Krishnan Shyamkumar
Evaluating a deep learning model for age-related macular degeneration in the Canadian Longitudinal Study on Aging	Rumaisa Aljied	Validation of parent-reported gestational age categories for children less than 5 years of age	Alexandra M. Palumbo
Evaluation of anticoagulation in hospitalized COVID-19 patients: Analysis of effects in randomized control trials versus non-randomized studies of interventions	Samer George Karam	Variability in primary outcome reporting in clinical trials for older adults with depression	Myanca Rodrigues
Evaluation of the availability of information in COVID-19 guidelines for developing plain language recommendations: a cross-sectional study	Tamara Lotfi	Virtual Parent-led Peer Support Groups for Parents of Children with Eating Disorders: A Mixed Methods Study Examining Feasibility, Acceptability, and Parent Outcomes	Maria Nicula
Examining the association between frailty and antibody neutralization of SARS-CoV-2	Zain Pasat	Working with youth advisors and youth advisory committees: What are the ethical considerations researchers encounter and how can they be navigated?	Shelby Deibert
Exploring high use of the emergency department internationally through an analysis of data from Krakow, Poland	Iwona Bielska		



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Murray L. Enkin Award

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