

20<sup>th</sup>  
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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**McMaster  
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## 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	<b>Tamara Lotfi</b>	Feasibility of Establishing a Canadian Obstetric Survey System (CanOSS) for Severe Maternal Morbidity: Interim Results of Qualitative Interviews	<b>Rebecca Seymour</b>
"I'm the only one that's thinking about the kids": Stories of child life specialists working in adult oncology environments	<b>Shipra Taneja</b>	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	<b>Natasha Khalid</b>
"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	<b>Rachel Yantzi</b>	Impact of Vincristine-Steroid Pulses in Maintenance for B-Cell Pediatric ALL: A Systematic Review and Meta-Analysis	<b>Louise Guolla</b>
A cohort study: an examination of high emergency department utilization among Ontarians who have a history of homelessness	<b>Harmavir Dhaliwal</b>	Implementation of Integrated Knowledge Translation in the A/C study	<b>Agatha Nyambi</b>
A knowledge mobilization strategy to increase the awareness, use and engagement of a digital map of COVID-19 recommendations	<b>Ashley Motilall</b>	Instruments assessing risk of bias of randomized trials frequently included items that are not addressing risk of bias issues	<b>Ying Wang</b>
A policy analysis of Medical Assistance in Dying using the Advocacy Coalition Framework: Explaining the changes from federal bills C-14 to C-7	<b>Roma Dhamanaskar</b>	Lessons Learned: COVID-in-LTC Study Recruitment and Retention Strategies	<b>Milena Hurtarte</b>
A review of the implementation of positionality, reflexivity, and QuantCrit on health research	<b>Margret Lo</b>	McMaster Development and Dissemination of Canadian Post COVID-19 Condition Guidelines and Knowledge Translation Products	<b>Wojtek Wiercioch</b>
A systematic review of prevention trials using motivational interviewing	<b>Taylor Incze</b>	Measures of retention in HIV care: A study within a review (SWAR)	<b>Nadia Rehman</b>
A Systematic Review of the Reporting Quality of Qualitative Research in Breast Plastic Surgery	<b>Caroline Hircock</b>	Methodological Concerns in Occupational Lung Function Decline: A Systematic Review and Network Meta-Analysis	<b>Qaseem Ashemi</b>
Adaptive Value of Premature Menopause on Reproductive-related Mortality Rate	<b>Hiya Shah</b>	Mode of delivery in the second stage and risk of preterm birth in the subsequent pregnancy: a systematic review and meta-analysis	<b>Abirami Kirubarajan</b>
An Intervention for Adolescents and Parents Transitioning Out of Pediatric Eating Disorder Services: Findings from a Mixed Methods Feasibility Assessment	<b>Maria Nicula</b>	Myocarditis and pericarditis after Covid-19 immunization: A systematic review.	<b>Glenis Berroa</b>
Are there missing randomized trials in Cochrane systematic reviews and what is their impact on the results?: A methodological study	<b>Gonzalo A Bravo-Soto</b>	Non-Pharmacological Management of Pediatric Dental Anxiety: A Scoping Review	<b>Sara Ibrahim</b>
Asian-White disparities in obstetric anal sphincter injury: A systematic review and meta-analysis	<b>Meejin Park</b>	Nudging interventions to promote vaccination: A systematic review and meta-analysis	<b>Geemitha Ratnayake</b>
Assessing Indirectness of Individual Studies about Peoples' Values, Preferences, Utilities and Outcomes	<b>Samer George Karam</b>	Opioid Reduction/Elimination in Orthopaedic Surgery (OREOS): Survey of Knee and Hip Replacement Patient Perceptions	<b>Mansi Patel</b>
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	<b>Jhalok Ronjan Talukdar</b>	Patient engagement in sarcoma research: benefits, challenges, importance, and implications	<b>Caitlyn Ivany, HB.Sc</b>
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	<b>Kiara Panno</b>	Patient Perceptions about Same Day Discharge Arthroplasty	<b>Imad Kashir</b>
Atopic dermatitis as a risk factor for developing food allergy in infants and children: A systematic review and meta-analysis	<b>Dr. Nazmul Islam</b>	Patient values and preferences in decisions over medical cannabis use for chronic pain: A descriptive qualitative study	<b>Hanson Cummings</b>
Canadian Veterans' experiences of living with chronic pain and access to services	<b>Eileen Wang</b>	PeerOnCall: Exploring how organizational culture shapes implementation of a peer support app for public safety personnel	<b>Navdeep Goraya</b>
Challenges and innovations in evidence synthesis and evaluation during the COVID-19 pandemic	<b>Sarah Kirsh, Tanvir Jassal</b>	Perfusion vs Non-perfusion Computed Tomography Imaging in the late window of Emergent Large Vessel Ischemic Stroke: A Systematic Review and Meta-analysis	<b>Jose Danilo B. Diestro MD</b>
Changes in behavioural cancer risk factors during the COVID-19 pandemic: an umbrella review	<b>Jayati Khattar</b>	Primary Care Physicians' Perspectives on Digital Health Tools for Chronic Disease Management: A Rapid Review	<b>Derya Demirci &amp; Hannan Minhas</b>
Characteristics of relapse of individuals with ANCA-associated vasculitis enrolled in the PEXIVAS trial	<b>Mats Junek</b>	Prior infection in an elderly vaccinated population increases the risk of a subsequent infection: An immunological paradox of the COVID-19 era	<b>Javier Ruiz Ramirez</b>
Co-designing healthy active living interventions with families, service providers, and community members in Hamilton, Ontario: a SCOREI project	<b>Natasha Ross</b>	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	<b>Rosain Stennett</b>
Community level youth-led interventions to improve maternal-neonatal outcomes in low-and-middle income countries: a systematic review	<b>Tonya MacDonald</b>	Protocol for the design and evaluation for a community advisory board	<b>Shania Bhopa</b>
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	<b>Fatemeh Mirzayeh Fashami</b>	Psilocybin for medical indications: A scoping review	<b>Kim Madden</b>
COORDINATION OF ORAL ANTICOAGULANT CARE at HOSPITAL DISCHARGE (COACHed): Pilot Randomised Controlled Trial	<b>Victoria Telford</b>	Public health surveillance of changes in attitudes towards cancer risk factors during the COVID-19 pandemic: Sentiment and emotion analysis of Twitter data	<b>Nicolette Christodoulakis</b>
COVID-19 Physical Distancing Policies and Epidemiology in Germany: A Qualitative Case Study	<b>Cheng En Xi</b>	PURE: Association of Respiratory Symptoms and Occupation Group - a Baseline Study of 4 Countries	<b>Malak Al-Hadidi</b>
COVID-19 Physical Distancing Policies and epidemiology in Iran and New Zealand: A Comparative Analysis	<b>Hossein Motamed</b>	Rehabilitation recommendations in Clinical practice guidelines. A content analysis	<b>Maria-José Oliveros</b>
Covid-19 Physical Distancing Policies and Epidemiology in Israel January 2020 – December 2022: A qualitative case study	<b>Rebecca Roy</b>	Social Determinants of Sepsis: A Prospective, Pilot Observational Cohort Study	<b>Fatima Sheikh</b>
COVID-19 Physical Distancing Policies and Epidemiology in Pakistan	<b>Maryam Amjad</b>	Sociodemographic factors associated with vaccine hesitancy in the South Asian community in Canada	<b>Baanu Manoharan</b>
COVID-19 Physical Distancing Policies and epidemiology in Sweden from January 2020 – August 2022: A case report	<b>Saduni Rajapaksa</b>	Sri Lanka physical distancing policies and epidemiology from October 2020 – August 2022: A qualitative case study	<b>Mythili Thatparanathan</b>
COVID-19 public health policies and epidemiology in Italy	<b>Sabrina Sorbara</b>	Strengthening Community Roots: Anchoring Newcomers In Wellness & Sustainability (SCOREI) Community Leader and Program Coordinator Interviews	<b>Margret Lo</b>
Cross-cultural adaptation and validation to Spanish of the PANELVIEW instrument to evaluate the clinical practice guideline development process	<b>Carlos Zaror</b>	Summarizing the impacts of policies that limit the use of single-use plastic items: a literature review using a systematic approach	<b>Itai Malkin</b>
Data augmentation approaches in training machine learning models to identify high quality biomedical studies: experimental study	<b>Elham Bagheri</b>	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	<b>Tonya MacDonald</b>
Decision Curve Analysis Comparing the Net Benefits of Wells Score with Updated Coefficients for Deep Vein Thrombosis (DVT)	<b>Amidu Raifu</b>	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	<b>Elena Kum</b>
Determining the minimal important difference for the ALSFRS-R: a protocol for an international, multicentre, prospective cohort study	<b>Elena Kum</b>	The Appropriateness and Quality of Patient-Reported Outcome Measures (PROMs) in Plastic Surgery Randomized Controlled Trials: A Systematic Review	<b>Patrick Jinhyung Kim</b>
Development of the Applicability Instrument: A framework for evaluating the directness of individual studies included in systematic reviews and clinical practice guidelines	<b>Taylor Buchan</b>	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	<b>Sara Moradi</b>
Diagnostic accuracy and limit of detection study for the Seegene Allplex™ GI-Parasite Assay using sodium acetate/acetic acid/formalin-preserved stool	<b>Adam S. Komorowski</b>	The associations between osteosarcopenia and falls, fractures, and frailty in older adults: Results from the Canadian Longitudinal Study on Aging (CLSA)	<b>Ahreum Lee</b>
Disordered eating behaviours among youth and its impact on BMI	<b>Jayson Brian Habib</b>	The comparative efficacy and safety of biologic therapies for asthma: a systematic review and network meta-analysis	<b>Sarah Kirsh, Tanvir Jassal</b>
Does my N95 fit? A Mixed-Methods, Prospective Pilot and Feasibility Study	<b>Fatima Sheikh</b>	The Conceptualization of Pregnancy-Associated Maternal Morbidity in Research Studies: A Scoping Review	<b>Rohan D'Souza</b>
Effect of allocation concealment and blinding in trials addressing treatments for COVID-19: A methods study	<b>Sarah Kirsh, Tanvir Jassal</b>	The current postpartum care experiences of women with FGM using NHS services in the UK	<b>Rebecca Seymour</b>
Effects of social gender transition for young individuals with gender dysphoria: A systematic review and meta-analysis	<b>Anna Miroshnychenko</b>	The iCARE study: An Integrated Collection of Education Modules on Fall and Fracture Prevention for Healthcare Providers	<b>Momina Abbas</b>
Effects of the Community Paramedicine at Clinic (CP@clinic) Program on the health behaviours of older adults residing in social housing	<b>Jasdeep Brar</b>	The impact of blinding on trial results: a systematic review and meta-analysis	<b>Tanvir Jassal, Sarah Kirsh</b>
Equity, Diversity and Inclusion Considerations in GRADEpro Health Guideline Development for Race-corrective Technology	<b>Zara Hasan</b>	The PAQS Study: Comparing the Reliability of Physical Activity Questionnaires in Adults with Stroke	<b>Sohnia Sansanwal</b>
Establishing Process and Outcome Metrics for Primary Care Quality of Older Adults using Health Administrative Data: A RAND/UCLA Modified Delphi Study Protocol	<b>Rebecca Correia</b>	Treatments for ADHD in adults in jails, prisons and correctional settings: a scoping review of the quantitative and qualitative evidence	<b>Cory Byrne</b>
Evaluating a deep learning model for age-related macular degeneration in the Canadian Longitudinal Study on Aging	<b>Rumaisa Aljied</b>	Understanding maternal morbidity from the perspectives of women & people with pregnancy experience: a concept analysis	<b>Tegwende Seedu</b>
Evaluation of anticoagulation in hospitalized COVID-19 patients: Analysis of effects in randomized control trials versus non-randomized studies of interventions	<b>Samer George Karam</b>	User experience with a specialized repository of COVID-19 literature: A survey-based study	<b>Krishnan Shyamkumar</b>
Evaluation of the availability of information in COVID-19 guidelines for developing plain language recommendations: a cross-sectional study	<b>Tamara Lotfi</b>	Validation of parent-reported gestational age categories for children less than 6 years of age	<b>Alexandra M. Palumbo</b>
Examining the association between frailty and antibody neutralization of SARS-CoV-2	<b>Zain Pasat</b>	Variability in primary outcome reporting in clinical trials for older adults with depression	<b>Myanca Rodrigues</b>
Exploring high use of the emergency department internationally through an analysis of data from Krakow, Poland	<b>Iwona Bielska</b>	Virtual Parent-led Peer Support Groups for Parents of Children with Eating Disorders: A Mixed Methods Study Examining Feasibility, Acceptability, and Parent Outcomes	<b>Maria Nicula</b>
		Working with youth advisors and youth advisory committees: What are the ethical considerations researchers encounter and how can they be navigated?	<b>Shelby Deibert</b>