

James (Jay) Brophy

Professor of Medicine

Curriculum Vitae
December 2019

📍 McGill University
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Education

1993 - 1998	PhD Montreal	McGill University Faculty of Medicine
1979 - 1984	FRCPC Montreal	Université de Montreal Faculte de Medecine
1976 - 1979	MD Hamilton	McMaster University Faculty of Health Sciences
1973 - 1974	M.Eng Hamilton	McMaster University Faculty of Engineering
1967 - 1973	B.Eng Montreal	McGill University Faculty of Engineering

Current Research Funding (PI)

Appui à la recherche en évaluation des technologies et des pratiques de pointe dans les CHU (Health Technology and Evidence Based Medicine)
July 2018-23
Fonds de Recherche Quebec Sante (FRQS)

Ticagrelor compared to clopidogrel in acute coronary syndromes - the TC4 comparative effectiveness study
2018/4 - 2021/3
Canadian Institutes of Health Research (CIHR) Project Grant Total Funding - \$309,825

Recent Awards

Fellow Canadian Academy of Health Sciences
Sept 2018

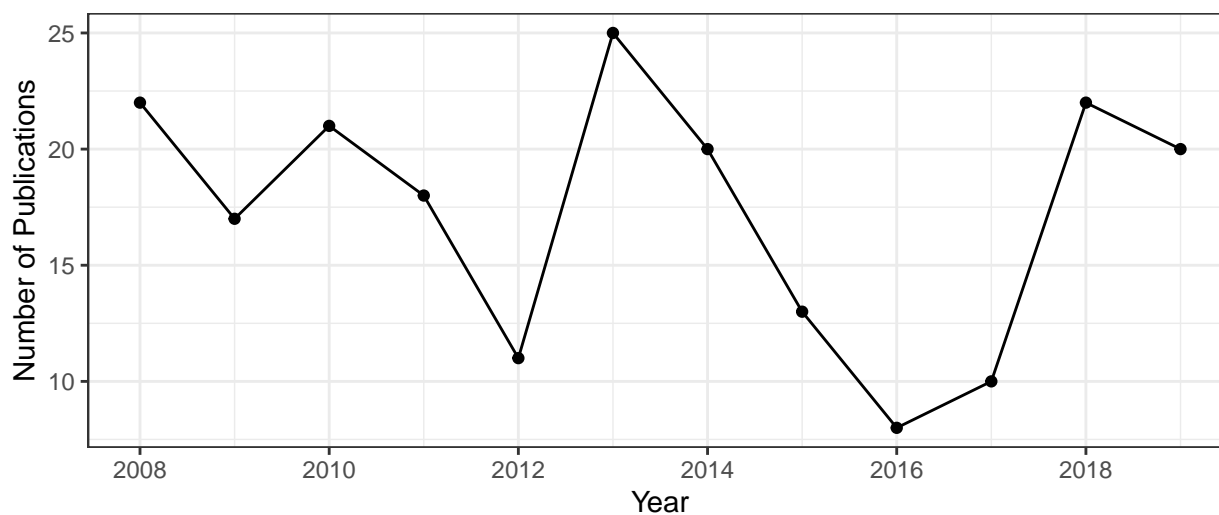
Fellow Canadian Cardiovascular Society
May 2017

Publications

All publications (389 on 2019-12-03) as recorded in Google Scholar can be found [here](#)

Citations 15,215, h-index 53

Includes letters, editorials as well as original articles



Publications 2019

- 2019 **Association of Chromosome 9p21 With Subsequent Coronary Heart Disease Events: A GENIUS-CHD Study of Individual Participant Data** RS Patel, AF Schmidt, V Tragante, RO McCubrey, MV Holmes, LJ Howe, ...
Circulation: Genomic and Precision Medicine
- 2019 **Subsequent event risk in individuals with established coronary heart disease: design and rationale of the GENIUS-CHD consortium** RS Patel, V Tragante, AF Schmidt, RO McCubrey, MV Holmes, LJ Howe, ...
Circulation: Genomic and Precision Medicine
- 2019 **Statin Use and Risk of Vascular Events Among Cancer Patients After Radiotherapy to the Thorax, Head, and Neck** J Boulet, J Peña, EA Hulten, TG Neilan, A Dragomir, C Freeman, ...
Journal of the American Heart Association
- 2019 **Mortality Benefit of Alirocumab: A Bayesian Perspective** C Labos, JM Brophy, A Sniderman, G Thanassoulis
Journal of the American Heart Association
- 2019 **Oral Fluoroquinolones and Risk of Mitral and Aortic Regurgitation** M Etminan, M Sodhi, S Ganjizadeh-Zavareh, B Carleton, A Kezouh, ...
Journal of the American College of Cardiology
- 2019 **Targeting all-comers–Are we doing as well as we can?** JM Brophy
American Heart Journal
- 2019 **Machine Learning Developed Algorithms to Identify Patients With Congenital Heart Disease From Large Claims Databases** A Marelli, C Li, A Liu, L Guo, JM Brophy, Y Yang
Circulation
- 2019 **Variability in High-Sensitivity Cardiac Troponin T Testing in Stable Patients With and Without Coronary Artery Disease** JM Brophy, GR Dagenais, L Boyer, D Garcia-Labbé, P Bogaty
Canadian Journal of Cardiology
- 2019 **Heart failure risk predictions in adult patients with congenital heart disease: a systematic review** F Wang, L Harel-Sterling, S Cohen, A Liu, JM Brophy, G Paradis, ...
Heart
- 2019 **P5707 An evaluation of the use of propensity scores in cardiovascular literature: a systematic review and recommendations** M Samuel, B Batomen, J Rouette, J Kim, RW Platt, J Brophy, JS Kaufman
European Heart Journal
- 2019 **AN EVALUATION OF PROPENSITY SCORE USE IN CARDIOVASCULAR RESEARCH: A SYSTEMATIC REVIEW AND GUIDANCE DOCUMENT** M Samuel, B Batomen, J Rouette, J Kim, R Platt, J Brophy, J Kaufman
Canadian Journal of Cardiology
- 2019 **A systematic review of the use of propensity scores in cardiovascular literature** J Rouette, M Samuel, B Batomen, J Kim, RW Platt, J Brophy, JS Kaufman
PHARMACOEPIDEMIOLOGY AND DRUG SAFETY
- 2019 **One-year test-retest reliability of ten vision tests in Canadian athletes** M Aloosh, S Leclerc, S Long, G Zhong, JM Brophy, T Schuster, R Steele, ...
F
- 2019 **Challenges in assessing the incidence of atrial fibrillation hospitalizations** M Samuel, JM Brophy
Canadian Journal of Cardiology
- 2019 **'Update': Oral fluoroquinolone use and risk of peripheral neuropathy: A pharmacoepidemiologic study** M Etminan, JM Brophy, A Samii
- 2019 **RISK PREDICTIONS IN ADULT CONGENITAL HEART DISEASE PATIENTS WITH HEART FAILURE: A SYSTEMATIC REVIEW** L Harel-Sterling, F Wang, S Cohen, A Liu, J Brophy, G Paradis, A Marelli
Journal of the American College of Cardiology
- 2019 **REPEATED HEART FAILURE HOSPITALIZATIONS IN ADULTS WITH CONGENITAL HEART DISEASE** L Harel-Sterling, F Wang, M Abrahamowicz, A Liu, L Guo, J Brophy, ...
Journal of the American College of Cardiology
- 2019 **Circulating Testosterone and Sex Hormone-Binding Globulin Concentrations and Risk of Type 2 Diabetes, Cardiovascular Disease, and All-Cause Mortality in US Women** J Li, J Hu, T Huang, SE Hankinson, FB Hu, JE Manson, KM Rexrode, ...
CIRCULATION

- 2019 **A Non-inferiority Framework for Cost-Effectiveness Analysis** X Xie, L Falk, JM Brophy, HA Tu, J Guo, O Gajic-Veljanoski, N Sikich, ...
International journal of technology assessment in health care
- 2019 **A Framework for Aiding the Translation of Scientific Evidence into Policy: The Experience of a Hospital-Based Technology Assessment Unit** ND Almeida, L Mines, I Nicolau, A Sinclair, DF Forero, JM Brophy, N Mayo, ...
International journal of technology assessment in health care

Publications 2018

- 2018 **2018 ESC/EACTS Guidelines on myocardial revascularization** M Sousa-Uva, FJ Neumann, A Ahlsson, F Alfonso, AP Banning, ...
European journal of cardio-thoracic surgery
- 2018 **Evaluation of the pleiotropic effects of statins: a reanalysis of the randomized trial evidence using Egger regression—brief report** C Labos, JM Brophy, GD Smith, AD Sniderman, G Thanassoulis
Arteriosclerosis, thrombosis, and vascular biology
- 2018 **Simplified Canadian definition for familial hypercholesterolemia** I Ruel, D Brisson, S Aljenedil, Z Awan, A Baass, A Bélanger, J Bergeron, ...
Canadian Journal of Cardiology
- 2018 **Imputation of baseline LDL cholesterol concentration in patients with familial hypercholesterolemia on statins or ezetimibe** I Ruel, S Aljenedil, I Sadri, É de Varennes, RA Hegele, P Couture, ...
Clinical chemistry
- 2018 **Canadian Cardiovascular Society position statement on familial hypercholesterolemia: update 2018** LR Brunham, I Ruel, S Aljenedil, JB Rivière, A Baass, JV Tu, GBJ Mancini, ...
Canadian Journal of Cardiology
- 2018 **Risk of acute myocardial infarction with real-world NSAID s depends on dose and timing of exposure** M Bally, ME Beauchamp, M Abrahamowicz, L Nadeau, JM Brophy
Pharmacoepidemiology and drug safety
- 2018 **Associations between ambient air pollution and daily mortality in a cohort of congestive heart failure: Case-crossover and nested case-control analyses using a distributed lag ...** S Buteau, MS Goldberg, RT Burnett, A Gasparrini, MF Valois, JM Brophy, ...
Environment international
- 2018 **Comparative effectiveness of novel oral anticoagulants in UK patients with non-valvular atrial fibrillation and chronic kidney disease: a matched cohort study** SY Loo, J Coulombe, S Dell'Aniello, JM Brophy, S Suissa, C Renoux
BMJ open
- 2018 **Diastolic hypotension may attenuate benefits from intensive systolic targets: Secondary analysis of a randomized controlled trial** TC Lee, RB Cavalcanti, EG McDonald, L Pilote, JM Brophy
The American journal of medicine
- 2018 **Familial hypercholesterolemia in Canada: Initial results from the FH Canada national registry** LR Brunham, I Ruel, E Khoury, RA Hegele, P Couture, J Bergeron, ...
Atherosclerosis
- 2018 **Statin medications and the risk of gynecomastia** SC Skeldon, B Carleton, JM Brophy, M Sodhi, M Etminan
Clinical endocrinology
- 2018 **Food for Thought: A “Low-Tech” Road to Improved Primary Cardiovascular Prevention: Adherence to Dietary Guidelines** JM Brophy
Canadian Journal of Cardiology
- 2018 **Studying additive interaction in a healthcare database: Case study of NSAIDs, cardiovascular profiles, and acute myocardial infarction** M Bally, L Nadeau, JM Brophy
PloS one
- 2018 **Canadian Definition for Familial Hypercholesterolemia** S Aljenedil, I Ruel, D Brisson, Z Awan, A Baass, A Bélanger, D Bewick, ...
Atherosclerosis Supplements

- 2018 **In high-risk obese or overweight patients, lorcaserin did not increase or decrease CV events at 3.3 years** J Brophy
Annals of internal medicine
- 2018 **In hypertension, intensive BP goals reduce CV events; self vs office BP measures do not improve BP at 12 mo** J Brophy
Annals of internal medicine
- 2018 **Guideline: 11 professional organizations made 106 recommendations for management of high blood pressure in adults** J Brophy
Annals of internal medicine
- 2018 **Sodium, Chloride, and Cardiovascular Mortality—Open Access Data Is Worth Its Salt** JM Brophy
Canadian Journal of Cardiology
- 2018 **Corrigendum to" Associations between ambient air pollution and daily mortality in a cohort of congestive heart failure: Case-crossover and nested case-control analyses using a ...** S Buteau, MS Goldberg, RT Burnett, A Gasparrini, MF Valois, JM Brophy, ...
Environment international
- 2018 **Update on the Familial Hypercholesterolemia Canada (FH Canada) Registry** I Ruel, S Aljenedil, J Brophy, D Gaudet, B McCrindle, J Frohlich, R Hegele, ...
Atherosclerosis Supplements
- 2018 **OP IV-6 Associations between daily mortality and ambient no2 and o3 in persons having congestive heart failure: nested case-control analyses using different exposure models** S Buteau, M Goldberg, R Burnett, A Gasparrini, MF Valois, J Brophy, ...
Occupational and Environmental Medicine
- 2018 **Big Data to Assess Potential Pregnancy-Related Cardiovascular Complications of Difficult Labour—Original Investigator-Driven Research Is Not Dead!** JM Brophy
Canadian Journal of Cardiology

Top citations

- 2004 **A hierarchical Bayesian meta-analysis of randomised clinical trials of drug-eluting stents** MN Babapulle, L Joseph, P Bélisle, JM Brophy, MJ Eisenberg
The Lancet
► cites: 854
- 2001 **Beta Blockers in congestive heart failure: a Bayesian meta-analysis** JM Brophy, L Joseph, JL Rouleau
Annals of internal medicine
► cites: 541
- 2006 **Reduction of morbidity and mortality by statins, angiotensin-converting enzyme inhibitors, and angiotensin receptor blockers in patients with chronic obstructive pulmonary disease** GBJ Mancini, M Etminan, B Zhang, LE Levesque, JM FitzGerald, ...
Journal of the American College of Cardiology
► cites: 467
- 2007 **Should meta-analyses of interventions include observational studies in addition to randomized controlled trials? A critical examination of underlying principles** I Shrier, JF Boivin, RJ Steele, RW Platt, A Furlan, R Kakuma, J Brophy, ...
American journal of epidemiology
► cites: 343
- 2005 **The risk for myocardial infarction with cyclooxygenase-2 inhibitors: a population study of elderly adults** LE Lévesque, JM Brophy, B Zhang
Annals of Internal Medicine
► cites: 281

Talks (2019)

Evaluating evidence from meta-analyses of randomized controlled trials using a Bayesian approach
McGill University Health Center Health Technology Symposium
Montreal QC July 2019

- Practical session: R for health economic analyses** McGill University Health Center Health Technology Symposium
Montreal QC July 2019
- Critical review of the medical literature** McGill University Epidemiology (600) guest lecture
Montreal QC July 2019
- Critical analysis of the health technology assessment** McGill University Epidemiology (600) guest lecture
Montreal QC July 2019
- Dual antiplatelet therapy 2019 - An Integrated Approach** Jewish General Hospital
Montreal QC Oct 4 2019
- Dual antiplatelet therapy 2019 - Beyond guidelines** McGill University Health Center Cardiology Grand Rounds
Montreal QC Sept 26 2019
- Dual antiplatelet therapy - The totality of the evidence and its uncertainty** McGill University Health Center
Medicine Grand Rounds
Montreal QC Sept 24 2019
- Dual antiplatelet therapy - An MUHC initiated comparative effectiveness study** McGill University Health
Center Cardiology Grand Rounds
Montreal QC Sept 20 2018

Talks (2018)

- Revascularization 2018 - (Personal reflections on personalized medicine)** McGill University Health Center
Cardiovascular Multidisciplinary Rounds
Montreal QC Sept 20 2018
- Evidence to inform practice: Promising avenues and dead ends (Panel)** European Society of Cardiology
Munich Germany Aug 30 2018
- Observational study designs: successes, limitations, pitfalls, lessons learned** McGill University Epi 600 guest
lecture
Montreal June 5 2018
- Health technology assessment and economic analyses** McGill University Epi 600 guest lecture
Montreal June 19 2018
- Observational studies in cardiology - case of NSAID cardio toxicity** McGill Epidemiology Winter Seminar Series
Montreal February 26 2018
- The crisis in medical guidelines** Guest lecture The Crisis in Health Research seminar course
Montreal Feb 2018

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