

JAMES (JAY) BROPHY



Curriculum Vitae 2024-01-05

Professor of Medicine

Epidemiology, Biostatistics and Occupational Health

McGill University

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Education

Degree	Institution	Department	Location
PhD	McGill University Faculty of Medicine	Epidemiology and Biostatistics	Montreal QC
FRCPC	Université de Montreal Faculte de Medecine	Cardiology	Montreal QC
MD	McMaster University Faculty of Health Sciences	Medicine	Hamilton ON
M.Eng	McMaster University Faculty of Engineering	Chemical engineering	Hamilton ON
B.Eng	McGill University Faculty of Engineering	Chemical engineering	Montreal QC

Awards

Award	Date
Fellow Canadian Academy of Health Sciences	Sept 2018
Fellow Canadian Cardiovascular Society	May 2017



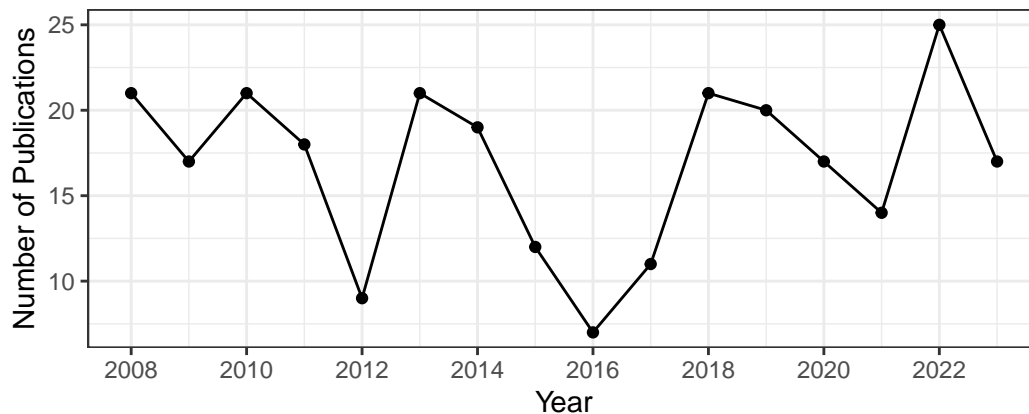
Current Research Funding

Title	Agency	Date	Role
Appui à la recherche en évaluation des technologies et des pratiques de pointe dans les CHU (Health Technology and Evidence Based Medicine)	Fonds de Recherche Quebec Sante	July 2018-23	PI
Ticagrelor compared to clopidogrel in acute coronary syndromes - the TC4 comparative effectiveness study	Canadian Institutes of Health Research	April 2019-23	PI
Evaluating the Trajectory of Aortic Stenosis (AS) in Quebec patients - Diagnosis, Treatments, and Outcomes	Canadian Institutes of Health Research	Sept 2020 - 23	PI
The S. aureus Network Adaptive Platform Trial (SNAP) Canada: A Randomized Controlled Trial for Penicillin-susceptible, Methicillin-susceptible, and Methicillin resistant Staphylococcus aureus Bloodstream Infections in Hospitalized Patients	Canadian Institutes of Health Research	July 2021 - 2026	co-A
Comparative Effectiveness of Long-acting Insulins and Neutral Protamine Hagedorn (NPH) Insulin for the Prevention of Micro- and Macrovascular Complications Among Patients with Type 1 Diabetes	Canadian Institutes of Health Research	April 2023-2026	co-A

Publications

All publications (452 on 2024-01-05) as recorded in Google Scholar can be found [here](#) Citations 28513, h-index 62

Includes letters, editorials as well as original articles



AM Albuquerque, I Eckert, L Tramuja, G Butler-Laporte, EG McDonald, Effect of tocilizumab, sarilumab, and baricitinib on mortality among patients hospitalized for COVID-19 treated with corticosteroids: a systematic review and meta-analysis. *Clinical Microbiology and Infection*. 29 (1), 13-21. 2023.

F Barili, JM Brophy, D Ronco, PO Myers, MS Uva, RMS Almeida, Risk of Bias in Randomized Clinical Trials Comparing Transcatheter and Surgical Aortic Valve Replacement: A Systematic Review and Meta-analysis. *JAMA Network Open*. 6 (1), e2249321-e2249321. 2023.

L Azoulay, A St-Jean, M Dahl, J Quail, W Aibibula, JM Brophy, AW Chan, Hydrochlorothiazide use and risk of keratinocyte carcinoma and melanoma: A multi-site population-based cohort study. *Journal of the American Academy of Dermatology*. . 2023.

AA Rahman, J Michaud, S Dell'Aniello, EEM Moodie, JM Brophy, Oral Anticoagulants and the Risk of Dementia in Patients With Nonvalvular Atrial Fibrillation: A Population-Based Cohort Study. *Neurology*. 100 (12), e1309-e1320. 2023.

JM Brophy, L Nadeau. Amiodarone vs dronedarone for atrial fibrillation: a retrospective cohort study. *CJC open*. 5 (1), 8-14. 2023.

JM Brophy, L Nadeau. Beta blockers, digoxin or both following an incident diagnosis of atrial fibrillation—a prospective cohort study. *Canadian Journal of Cardiology*. . 2023.

N Gorelik, S Paruthikunnan, A Uppal, AM Ervin, AV Ramanakumar, Usefulness of MRI-based local surveillance after surgical treatment of musculoskeletal soft-tissue sarcomas: a systematic review and meta-Analysis. *American Journal of Roentgenology*. 220 (6), 805-816. 2023.

J Brophy. In symptomatic AF with end-stage HF, adding catheter ablation to medical therapy improved clinical outcomes at 18 mo. *Annals of Internal Medicine*. . 2023.

JM Brophy. RE: Covid testing in travellers-can we be smarter?. . . 2023.

A Diop, C Sirois, JR Guertin, ME Schnitzer, B Candas, B Cossette, Marginal structural models with latent class growth analysis of treatment trajectories: Statins for primary prevention among older adults. *Statistical Methods in Medical Research*. 32 (11), 2207-2225. 2023.

TA Mavrakanas, MA Tsoukas, JM Brophy, A Sharma, K Gariani. SGLT-2 inhibitors improve cardiovascular and renal outcomes in patients with CKD: a systematic review and meta-analysis. *Scientific Reports*. 13 (1), 15922. 2023.

J Rouette, EG McDonald, T Schuster, I Matok, JM Brophy, L Azoulay. Thiazide Diuretics and Risk of Colorectal Cancer: A Population-Based Cohort Study. *American Journal of Epidemiology*, kwad. d171. 2023.

I Iatan, I Ruel, A Guerin, L Cermakova, P Couture, J Bergeron, A Baass, Familial hypercholesterolemia in Canada: Investigating management patterns and clinical outcomes from the FH Canada registry. *Atherosclerosis*. 379, S31. 2023.

TA Mavrakanas, MA Tsoukas, JM Brophy, A Sharma, K Gariani. Impact of SGLT-2 inhibitors on cardiovascular and renal outcomes according to baseline renal function A systematic review and meta-analysis. . . 2023.

N Gorelik, EY Rula, CE Pelzl, J Hemingway, E Christensen, JM Brophy, Imaging Utilization Patterns in the Follow-Up of Extremity Soft Tissue Sarcomas in the United States. *Current Problems in Diagnostic Radiology*. . 2023.

JM Brophy. A Bayesian Perspective-Extracorporeal CPR for Refractory Out-of-Hospital Cardiac Arrest. *medRxiv*. 2023.02.13.23285890. 2023.

SA Kutcher, L Flatman, R Haber, N Dendukuri, S Dandona, J Brophy. The efficacy and safety of the prasugrel, ticagrelor, and clopidogrel dual antiplatelet therapies following an acute coronary syndrome: A systematic review and Bayesian network *medRxiv*. 2023.08.12.23294021. 2023.

TC Lee, S Murthy, O Del Corpo, J Senécal, G Butler-Laporte, ZN Sohani, Remdesivir for the treatment of COVID-19: a systematic review and meta-analysis. *Clinical Microbiology and Infection*. 28 (9), 1203-1210. 2022.

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AM Albuquerque, L Tramuja, LR Sewanan, DR Williams, JM Brophy. Mortality rates among hospitalized patients with COVID-19 infection treated with tocilizumab and corticosteroids: a Bayesian reanalysis of a previous meta-analysis. *JAMA Network Open*. 5 (2), e220548-e220548. 2022.

A Sharma, M Elharram, J Afilalo, A Flannery, M Afilalo, C Tselios, J Ni, A randomized controlled trial of renin-angiotensin-aldosterone system inhibitor management in patients admitted in hospital with COVID-19. *American Heart Journal*. 247, 76-89. 2022.

J Rouette, EG McDonald, T Schuster, JM Brophy, L Azoulay. Treatment and prescribing trends of antihypertensive drugs in 2.7 million UK primary care patients over 31 years: a population-based cohort study. *BMJ open*. 12 (6), e057510. 2022.

A Razaghizad, E Oulousian, VK Randhawa, JP Ferreira, JM Brophy, Clinical Prediction Models for Heart Failure Hospitalization in Type 2 Diabetes: A Systematic Review and Meta-Analysis. *Journal of the American Heart Association*. 11 (10), e024833. 2022.

M Gaudino, JM Brophy. The controversy on the treatment of left main coronary artery disease. *The Journal of Thoracic and Cardiovascular Surgery*. 163 (5), 1864-1869. 2022.

TC Lee, S Murthy, O Del Corpo, J Senécal, G Butler-Laporte, ZN Sohani, Remdesivir for the Treatment of COVID-19: An Updated Systematic Review and Meta-Analysis. *medRxiv*. 2022.01. 22.22269545. 2022.

S Perreault, A Dragomir, R Cote, A Lenglet, S De Denus, M Dorais, Comparative effectiveness and safety of low-dose oral anticoagulants in patients with atrial fibrillation. *Frontiers in pharmacology*. 12, 812018. 2022.

J Brophy. In the general population, salt substitutes vs. regular salt reduce BP levels, CV outcomes, and mortality. *Annals of Internal Medicine*. 175 (12), JC139. 2022.

JM Brophy. Big Data, Big Expectations, and Big Judgements. *Canadian Journal of Cardiology*. 38 (10), 1567-1569. 2022.

M Samuel, JM Brophy. Diabetes and atrial fibrillation: does the type of diabetes matter?. *European Journal of Preventive Cardiology*. 29 (13), 1756-1758. 2022.

J Rouette, EG McDonald, T Schuster, JM Brophy, L Azoulay. Dihydropyridine Calcium Channel Blockers and Risk of Pancreatic Cancer A Population-Based Cohort Study. *Journal of the American Heart Association*. 11 (24), e026789. 2022.

JM Brophy. Understanding Associations, Social Inequities, and Cardiovascular Risks. *Canadian Journal of Cardiology*. 38 (12), 1918-1920. 2022.

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A Rahman, J Michaud, S Dell'Aniello, E Moodie, J Brophy, M Durand, Association between oral anticoagulants and risk of dementia in patients with non-valvular atrial fibrillation. *PHARMACOEPIDEMIOLOGY AND DRUG SAFETY*. 31, 631-631. 2022.

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JM Brophy. In HF, SGLT2 inhibitors reduce HF hospitalizations at up to 2 y. *Annals of Internal Medicine*. 175 (8), JC87. 2022.

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AM Albuquerque, JM Brophy. Pacemaker risk following transcatheter aortic valve replacement-A Bayesian reanalysis. *International Journal of Cardiology*. 355, 32-36. 2022.

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J Brophy. Molnupiravir's authorisation was premature Regulatory decisions fall short of the wise stewardship required during a pandemic. *BMJ-BRITISH MEDICAL JOURNAL*. 376. 2022.

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TC Lee, S Murthy, OC Del Corpo, J Senecal, G Butler-Laporte, ZN Sohani, Remdesivir for the Treatment of COVID-19: An Updated Systematic Review and Meta-Analysis (preprint). . . 2022.

M Etminan, JM Brophy, G Collins, M Nazemipour, MA Mansournia. To adjust or not to adjust: the role of different covariates in cardiovascular observational studies. *American Heart Journal*. 237, 62-67. 2021.

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SA Kutcher, JM Brophy, HR Banack, JS Kaufman, M Samuel. Emulating a randomised controlled trial with observational data: an introduction to the target trial framework. *Canadian Journal of Cardiology*. 37 (9), 1365-1377. 2021.

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AM Albuquerque, L Tramuja, LR Sewanan, JM Brophy. Tocilizumab in COVID-19—A Bayesian reanalysis of RECOVERY. *medRxiv*. 2021.06. 15.21258966. 2021.

M Aflaki, A Flannery, JP Ferreira, MP Cheng, N Kronfli, A Marelli, Management of Renin-Angiotensin-Aldosterone System blockade in patients admitted to hospital with confirmed coronavirus disease (COVID-19) infection (The McGill RAAS-COVID-19 *Trials*. 22 (1), 1-3. 2021.

S Rinfret, I Jahan, K McKenzie, N Dendukuri, KR Baiey, S Mansour, The COVID-19 pandemic and coronary angiography for ST-elevation myocardial infarction, use of mechanical support, and mechanical complications in Canada: a Canadian Association *CJC open*. 3 (9), 1125-1131. 2021.

JM Brophy. Bayesian analyses of cardiovascular trials—bringing added value to the table. *Canadian Journal of Cardiology*. 37 (9), 1415-1427. 2021.

M Samuel, JM Brophy, L D'Aronco, JC Tardif, P Khairy. Distorting effect of immortal time bias on the association between catheter ablation for atrial fibrillation and incident stroke: caveat emptor. *Canadian Journal of Cardiology*. 37 (3), 377-381. 2021.

G Nakhlé, JM Brophy, C Renoux, P Khairy, P Bélisle, J LeLorier. Domperidone increases harmful cardiac events in Parkinson's disease: A Bayesian re-analysis of an observational study. *Journal of Clinical Epidemiology*. 140, 93-100. 2021.

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J Rouette, JM Brophy, T Schuster, L Azoulay. Treatment trajectory of antihypertensive drugs in UK primary care practices. *PHARMACOEPIDEMIOLOGY AND DRUG SAFETY*. 30, 373-373. 2021.

AM Albuquerque, TC Lee, DR Williams, L Tramuja, JM Brophy. Analysis plan Does Sarilumab Reduce Mortality in Hospitalized Patients for COVID-19? A Bayesian Reanalysis. . . 2021.

A Albuquerque, L Tramuja, L Sewanan, J Brophy. Tocilizumab in COVID-19—A Bayesian reanalysis of RECOVERY (preprint). . . 2021.

Top citations

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JM Brophy, L Joseph, JL Rouleau. β -Blockers in congestive heart failure: a Bayesian meta-analysis. *Annals of internal medicine*. 134 (7), 550-560. 2001. cites = 604

GBJ Mancini, M Etminan, B Zhang, LE Levesque, JM FitzGerald, Reduction of morbidity and mortality by statins, angiotensin-converting enzyme inhibitors, and angiotensin receptor blockers in patients with chronic obstructive pulmonary disease. *Journal of the American College of Cardiology*. 47 (12), 2554-2560. 2006. cites = 556

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I Shrier, JF Boivin, RJ Steele, RW Platt, A Furlan, R Kakuma, J Brophy, Should meta-analyses of interventions include observational studies in addition to randomized controlled trials? A critical examination of underlying principles. *American journal of epidemiology*. 166 (10), 1203-1209. 2007. cites = 502