

James (Jay) Brophy

Professor of Medicine

Curriculum Vitae

December 2021

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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

Awards

Fellow Canadian Academy of Health Sciences

Sept 2018

Fellow Canadian Cardiovascular Society

May 2017

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) Fonds de Recherche Quebec Sante (FRQS) Total Funding - \$350,000

July 2018-23

Ticagrelor compared to clopidogrel in acute coronary syndromes - the TC4 comparative effectiveness study

Canadian Institutes of Health Research (CIHR) Project Grant Total Funding - \$309,825

2018/4 - 2021/3

Evaluating the Trajectory of Aortic Stenosis (AS) in Quebec patients - Diagnosis, Treatments, and Outcomes

Canadian Institutes of Health Research (CIHR) Project Grant Total Funding -

\$229,500

2020/9 - 2022/9

The S. aureus Network Adaptive Platform Trial (SNAP) Canada: A Randomized Controlled Trial for Penicillin-susceptible, Methicillin-susceptible, and Methicillin resistant Staphylococcus aureus Blood-stream Infections in Hospitalized Patients Canadian Institutes of Health Research (CIHR) Project Grant Total Funding

(co-I) - \$372,500

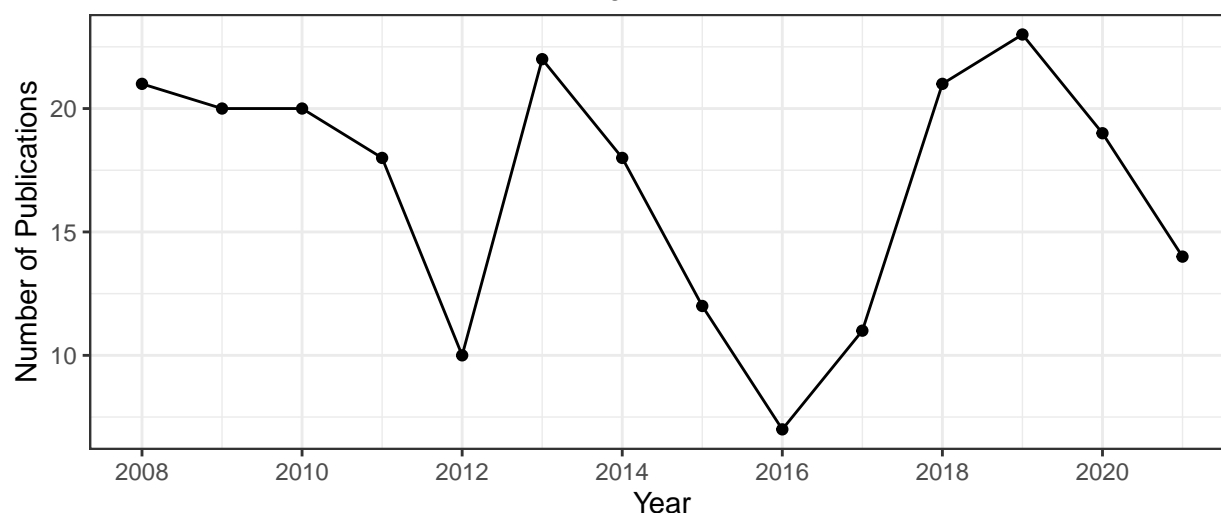
2021/7 - 2025/6

Publications

All publications (416 on 2021-12-30) as recorded in Google Scholar can be found [here](#)

Citations 22,602, h-index 60

Includes letters, editorials as well as original articles



Publications 2021

- 2021 **Remdesivir and systemic corticosteroids for the treatment of COVID-19: A Bayesian re-analysis** TC Lee, EG McDonald, G Butler-Laporte, LB Harrison, MP Cheng, ...
International Journal of Infectious Diseases
- 2021 **Curriculum in Cardiology To Adjust or Not to Adjust: The Role of Different Covariates in Cardiovascular Observational Studies** M Etminan, JM Brophy, G Collins, M Nazemipour, MA Mansournia
American Heart Journal
- 2021 **Distorting Effect of Immortal Time Bias on the Association Between Catheter Ablation for Atrial Fibrillation and Incident Stroke: Caveat Emptor** M Samuel, JM Brophy, L D'Aronco, JC Tardif, P Khairy
Canadian Journal of Cardiology
- 2021 **Key issues in the statistical interpretation of randomized clinical trials** JM Brophy
Canadian Journal of Cardiology
- 2021 **RE: Covid testing in travellers-can we be smarter?** JM Brophy
- 2021 **Domperidone increases harmful cardiac events in Parkinson's disease: A Bayesian re-analysis of an observational study** G Nakhle, JM Brophy, C Renoux, P Khairy, P Bélisle, J LeLorier
Journal of clinical epidemiology
- 2021 **Management of Renin-Angiotensin-Aldosterone System blockade in patients admitted to hospital with confirmed coronavirus disease (COVID-19) infection (The McGill RAAS-COVID-19 ...** M Aflaki, A Flannery, JP Ferreira, MP Cheng, N Kronfli, A Marelli, ...
Trials
- 2021 **Treatment trajectory of antihypertensive drugs in UK primary care practices** J Rouette, JM Brophy, T Schuster, L Azoulay
PHARMACOEPIDEMIOLOGY AND DRUG SAFETY
- 2021 **Analysis plan Does Sarilumab Reduce Mortality in Hospitalized Patients for COVID-19? A Bayesian Reanalysis** AM Albuquerque, TC Lee, DR Williams, L Tramuja, JM Brophy
- 2021 **Emulating a randomized controlled trial with observational data: An introduction to the target trial framework** SA Kutcher, JM Brophy, HR Banack, JS Kaufman, M Samuel
Canadian Journal of Cardiology
- 2021 **COVID-19 pandemic and coronary angiography for ST-elevation myocardial infarction, use of mechanical support and mechanical complications in Canada; a Canadian Association of ...** S Rinfret, I Jahan, K McKenzie, N Dendukuri, KR Baiey, S Mansour, ...
CJC open
- 2021 **Bayesian analyses of cardiovascular trials-bringing added value to the table** JM Brophy
Canadian Journal of Cardiology
- 2021 **Comparative effectiveness and safety of high-dose rivaroxaban and apixaban for atrial fibrillation: A propensity score-matched cohort study** TJC Perreault S, Dragomir A, Côté R, Lenglet A, White-Guay B, de Denus S ...
Pharmacotherapy

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

Publications 2020

2020 **Bayesian interpretation of the EXCEL trial and other randomized clinical trials of left main coronary artery revascularization** JM Brophy
JAMA Internal Medicine

2020 **Risk prediction models for heart failure admissions in adults with congenital heart disease** S Cohen, A Liu, F Wang, L Guo, JM Brophy, M Abrahamowicz, J Therrien, ...
International Journal of Cardiology

2020 **Immediate vs delayed stenting in ST-elevation myocardial infarction: rationale and design of the international PRIMACY Bayesian randomized controlled trial** EM Jolicoeur, N Dendukuri, P Belisle, G Range, G Souteyrand, F Bouisset, ...
Canadian Journal of Cardiology

2020 **US purchases world stocks of remdesivir: why the rest of the world should be glad to be at the back of the queue** JM Brophy
bmj

2020 **Recursive multiresolution convolutional neural networks for 3D aortic valve annulus planimetry** P Theriault-Lauzier, H Alsosaimi, N Mousavi, J Buithieu, M Spaziano, ...
International journal of computer assisted radiology and surgery

2020 **The controversy on the treatment of left main coronary artery disease** M Gaudino, JM Brophy
The Journal of Thoracic and Cardiovascular Surgery

2020 **Risk of readmission after heart failure hospitalization in older adults with congenital heart disease** F Wang, LH Sterling, A Liu, JM Brophy, G Paradis, A Marelli
International journal of cardiology

2020 **Predictors of outcomes following transcatheter edge-to-edge mitral valve repair** J Ben-Shoshan, P Overtchook, J Buithieu, N Mousavi, G Martucci, ...
Cardiovascular Interventions

2020 **Evaluation of propensity score used in cardiovascular research: a cross-sectional survey and guidance document** M Samuel, B Batomen, J Rouette, J Kim, RW Platt, JM Brophy, ...
BMJ open

2020 **Determinants of Survival in Older Adults With Congenital Heart Disease Newly Hospitalized for Heart Failure** F Wang, A Liu, JM Brophy, S Cohen, M Abrahamowicz, G Paradis, ...
Circulation: Heart Failure

2020 **Covid-19: Controversial trial may actually show that masks protect the wearer** JM Brophy
BMJ Opinion

2020 **In adults with chest pain, a troponin limit of detection strategy did not increase early discharge rate** J Brophy
Annals of Internal Medicine

2020 **Prescribing trends of antihypertensive drugs in the United Kingdom: A 30-year assessment** J Rouette, JM Brophy, T Schuster, L Azoulay
PHARMACOEPIDEMIOLOGY AND DRUG SAFETY

2020 **A Bayesian analysis of observational studies: Theoretical and practical considerations** G Nakhle, J Brophy, P Khairy, J LeLorier, C Renoux, P Belisle
PHARMACOEPIDEMIOLOGY AND DRUG SAFETY

2020 **Revascularizing Diabetic Multivessel Coronary Artery Disease in the 2020s: Forever Surgically Sweet?** R Puri, JM Brophy, MJ Mack
Journal of the American College of Cardiology

2020 **'Update': Oral fluoroquinolone use and risk of peripheral neuropathy: A pharmacoepidemiologic study** M Etminan, JM Brophy, A Samii

2020 **The Dollars and Sense of Transcatheter Aortic Valve Replacement: An Example of the Benefit of Avoiding Stenoses in Health Care Services Research** JM Brophy
Canadian Journal of Cardiology

- 2020 **One-year test-retest reliability of ten vision tests in Canadian athletes [version 5; peer review: 2 approved]** M Aloosh, S Leclerc, S Long, G Zhong, JM Brophy, T Schuster, R Steele, ...
- 2020 **Targeting all-comers- Are we doing as well as we can?** JM Brophy
American heart Journal

Publications 2019

- 2019 **2018 ESC/EACTS Guidelines on myocardial revascularization** FJ Neumann, M Sousa-Uva, A Ahlsson, F Alfonso, AP Banning, ...
European heart journal
- 2019 **2018 ESC/EACTS Guidelines on myocardial revascularization** M Sousa-Uva, FJ Neumann, A Ahlsson, F Alfonso, AP Banning, ...
European Journal of Cardio-Thoracic Surgery
- 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 **Statin use and risk of vascular events among cancer patients after radiotherapy to the thorax, head, and neck** J Boulet, J Peña, EA Hultén, TG Neilan, A Dragomir, C Freeman, ...
Journal of the American Heart Association
- 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 **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 **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 **Corrigendum to: 2018 ESC/EACTS Guidelines on myocardial revascularization.** FJ Neumann, M Sousa-Uva, A Ahlsson, F Alfonso, AP Banning, ...
- 2019 **2018 ESC/EACTS Guidelines on myocardial revascularization (vol 40, pg 87, 2019)** FJ Neumann, M Sousa-Uva, A Ahlsson, F Alfonso, AP Banning, ...
EUROPEAN HEART JOURNAL
- 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
- 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 **Mortality benefit of alirocumab: a bayesian perspective** C Labos, JM Brophy, A Sniderman, G Thanassoulis
Journal of the American Heart Association
- 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 **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 **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 **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 **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 **Challenges in Assessing the Incidence of Atrial Fibrillation Hospitalizations** M Samuel, JM Brophy
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 **athletes [version 1; peer review: 1 approved]** M Aloosh, S Leclerc, S Long, G Zhong, JM Brophy, T Schuster, R Steele, ...
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 **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

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: 896
- 2001 **Beta Blockers in congestive heart failure: a Bayesian meta-analysis** JM Brophy, L Joseph, JL Rouleau
Annals of internal medicine
► cites: 588
- 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: 524
- 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: 432
- 2017 **Risk of acute myocardial infarction with NSAIDs in real world use: bayesian meta-analysis of individual patient data** M Bally, N Dendukuri, B Rich, L Nadeau, A Helin-Salmivaara, E Garbe, ...
bmj
► cites: 376

Talks (2021)

- Bayes meets the NEJM** McGill University Health Center Cardiovascular Rounds
Montreal QC Sept 13 2021
- Bayes meets the NEJM** McGill University Health Center Department of Medicine Grand Rounds Rounds
Montreal QC Sept 20 2021
- Using a 250 year old lens to analyse contemporary cardiovascular trials** McGill University Department of Epidemiology, Biostatistics and Occupational Health Fall Seminar Series
Montreal QC Sept 27 2021

Talks (2020)

- Can medical guidelines adversely affect the health commons?** McGill University The 'Crisis' in Health Research and its Implications for Research, Health Policy and Clinical Practice
Montreal QC Feb 2020

FRQS Information Session

McGill Department of Medicine

Montreal QC June 20120

A Bayesian Approach to Left Main Disease – How has the Excel Trial moved the needle? Combined Jewish

General Hospital-McGill University Health Center Cardiovascular Rounds

Montreal QC Sept 2020

The role of SYNTAX score for treatment decision making

34th Annual European Association for Cardio-thoracic

Surgery

Barcelona Spain Oct 2020

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