

# James (Jay) Brophy

Professor of Medicine

## Curriculum Vitae

March 2021

📍 McGill University  
🏠 [www.brophyj.com](http://www.brophyj.com)  
📞 514 934-1934  
✉ [james.brophy@mcgill.ca](mailto:james.brophy@mcgill.ca)  
🐦 @brophyj  
🌐 brophyj  
🌐 brophyj

## Education

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

## Awards

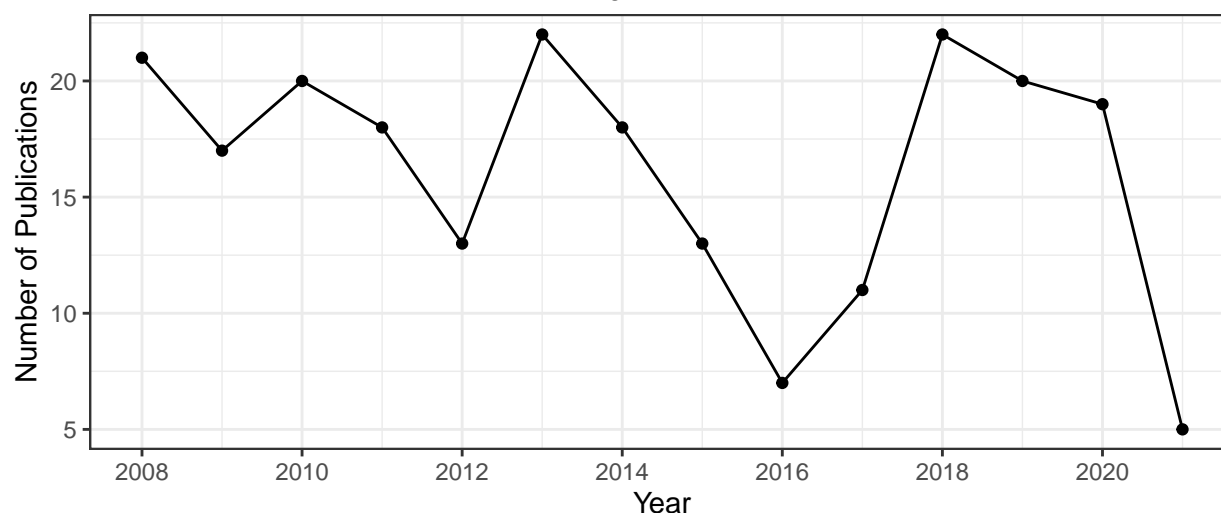
**Fellow Canadian Academy of Health Sciences**  
Sept 2018

**Fellow Canadian Cardiovascular Society**  
May 2017

## Publications

All publications (406 on 2021-03-10) as recorded in Google Scholar can be found [here](#)  
Citations 15,215, h-index 53

Includes letters, editorials as well as original articles



## Publications 2021

- 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 **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 **Comparative Effectiveness and Safety of High-Dose Rivaroxaban and Apixaban for Atrial Fibrillation: A Propensity Score-Matched Cohort Study** S Perreault, A Dragomir, R Côté, A Lenglet, B White-Guay, S de Denus, ...  
Pharmacotherapy: The Journal of Human Pharmacology and Drug Therapy
- 2021 **Remdesivir and Systemic Corticosteroids for the Treatment of COVID-19: A Bayesian Reanalysis** TC Lee, EG McDonald, G Butler-Laporte, LB Harrison, MP Cheng, ...  
International Journal of Infectious Diseases
- 2021 **Key issues in the statistical interpretation of randomized clinical trials** JM Brophy  
Canadian Journal of Cardiology

## 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 **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 **Immediate vs delayed stenting in ST-elevation myocardial infarction: rationale and design of the international PRIMACY Bayesian randomized controlled trial** EM Jolicœur, 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 **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 **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 **The controversy on the treatment of left main coronary artery disease** M Gaudino, JM Brophy  
The Journal of Thoracic and Cardiovascular Surgery
- 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 **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
- 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 **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 **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** 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 **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 **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 **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 **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 **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 **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 **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: 875
- 2001 **Beta Blockers in congestive heart failure: a Bayesian meta-analysis** JM Brophy, L Joseph, JL Rouleau  
Annals of internal medicine  
➤ cites: 568
- 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: 511

- 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: 397
- 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: 310

## 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 2020
- 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

“