

# James (Jay) Brophy

Professor of Medicine

## Curriculum Vitae

December 2020

📍 McGill University  
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## 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

## Awards

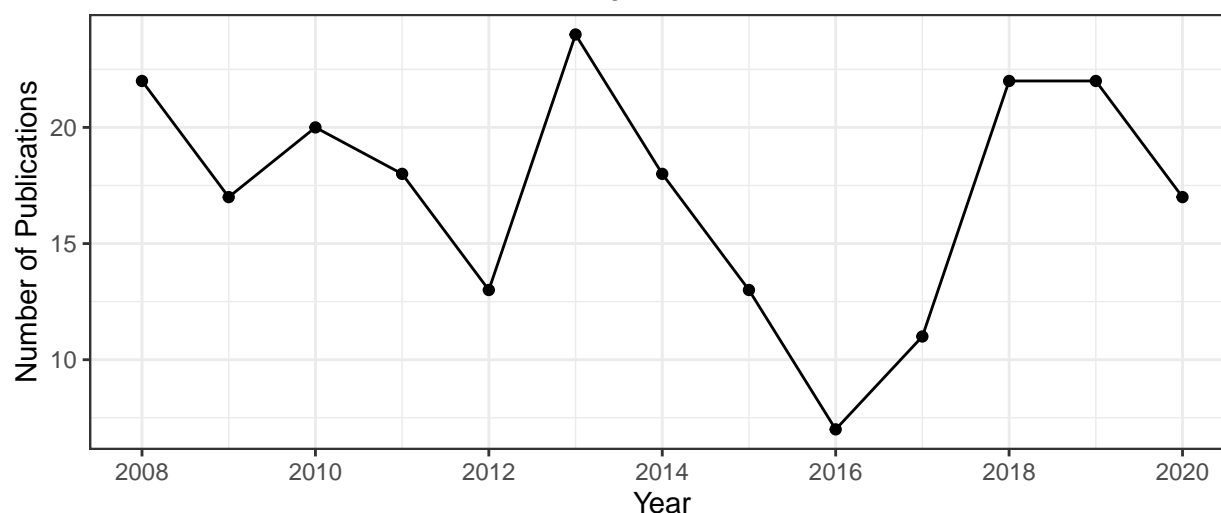
**Fellow Canadian Academy of Health Sciences**  
Sept 2018

**Fellow Canadian Cardiovascular Society**  
May 2017

## Publications

All publications (409 on 2020-12-23) as recorded in Google Scholar can be found [here](#)  
Citations 15,215, h-index 53

Includes letters, editorials as well as original articles



## Publications 2020

2020	<b>Bayesian Interpretation of the EXCEL Trial and Other Randomized Clinical Trials of Left Main Coronary Artery Revascularization</b>	JM Brophy
	JAMA Internal Medicine	
2020	<b>Recursive multiresolution convolutional neural networks for 3D aortic valve annulus planimetry</b>	P
	Theriault-Lauzier, H Alsosaimi, N Mousavi, J Buithieu, M Spaziano, ...	
	International Journal of Computer Assisted Radiology and Surgery	
2020	<b>Immediate vs delayed stenting in ST-elevation myocardial infarction: rationale and design of the international PRIMACY Bayesian randomized controlled trial</b>	EM Jolicoeur, N Dendukuri, P Belisle, G Range, G
	Souteyrand, F Bouisset, ...	
	Canadian Journal of Cardiology	
2020	<b>Risk prediction models for heart failure admissions in adults with congenital heart disease</b>	S Cohen, A Liu,
	F Wang, L Guo, JM Brophy, M Abrahamowicz, J Therrien, ...	
	International Journal of Cardiology	
2020	<b>US purchases world stocks of remdesivir: why the rest of the world should be glad to be at the back of the queue</b>	JM Brophy
	bmj	
2020	<b>Risk of readmission after heart failure hospitalization in older adults with congenital heart disease</b>	F
	Wang, LH Sterling, A Liu, JM Brophy, G Paradis, A Marelli	
	International journal of cardiology	
2020	<b>Predictors of outcomes following transcatheter edge-to-edge mitral valve repair</b>	J Ben-Shoshan, P
	Overtchook, J Buithieu, N Mousavi, G Martucci, ...	
	Cardiovascular Interventions	
2020	<b>Determinants of Survival in Older Adults With Congenital Heart Disease Newly Hospitalized for Heart Failure</b>	F Wang, A Liu, JM Brophy, S Cohen, M Abrahamowicz, G Paradis, ...
	Circulation: Heart Failure	
2020	<b>In adults with chest pain, a troponin limit of detection strategy did not increase early discharge rate</b>	J
	Brophy	
	Annals of Internal Medicine	
2020	<b>Prescribing trends of antihypertensive drugs in the United Kingdom: A 30-year assessment</b>	J Rouette, JM
	Brophy, T Schuster, L Azoulay	
	PHARMACOEPIDEMIOLOGY AND DRUG SAFETY	
2020	<b>A Bayesian analysis of observational studies: Theoretical and practical considerations</b>	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 **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 **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 **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 **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 **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 **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 **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
- 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 **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 **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 **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

## 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: 879
- 2001 **Beta Blockers in congestive heart failure: a Bayesian meta-analysis** JM Brophy, L Joseph, JL Rouleau  
Annals of internal medicine  
➤ cites: 558
- 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: 500
- 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: 385

- 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: 303

## 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

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