



# James (Jay) Brophy

PROFESSOR OF MEDICINE

McGill University

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*Slightly contrarian cardiologist living and working in Montreal Canada*

## Education

### McGill University Faculty of Medicine

PHD Montreal  
1993 - 1998

### Université de Montreal Faculte de Medecine

FRCPC Montreal  
1979 - 1984

### McMaster University Faculty of Health Sciences

MD Hamilton  
1976 - 1979

### McMaster University Faculty of Engineering

M.ENG Hamilton  
1973 - 1974

### McGill University Faculty of Engineering

B.ENG Montreal  
1967 - 1973

## Awards

FELLOW CANADIAN ACADEMY OF HEALTH SCIENCES Sept 2018

FELLOW CANADIAN CARDIOVASCULAR SOCIETY May 2017

## Current Research Funding (PI)

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

APPUI À LA RECHERCHE EN ÉVALUATION DES TECHNOLOGIES ET DES PRATIQUES DE POINTE DANS LES CHU (HEALTH July 2018-23  
TECHNOLOGY AND EVIDENCE BASED MEDICINE)

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

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 - \$229,500

EVALUATING THE TRAJECTORY OF AORTIC STENOSIS (AS) IN QUEBEC PATIENTS - DIAGNOSIS, TREATMENTS, AND OUTCOMES 2020/9 - 2022/9

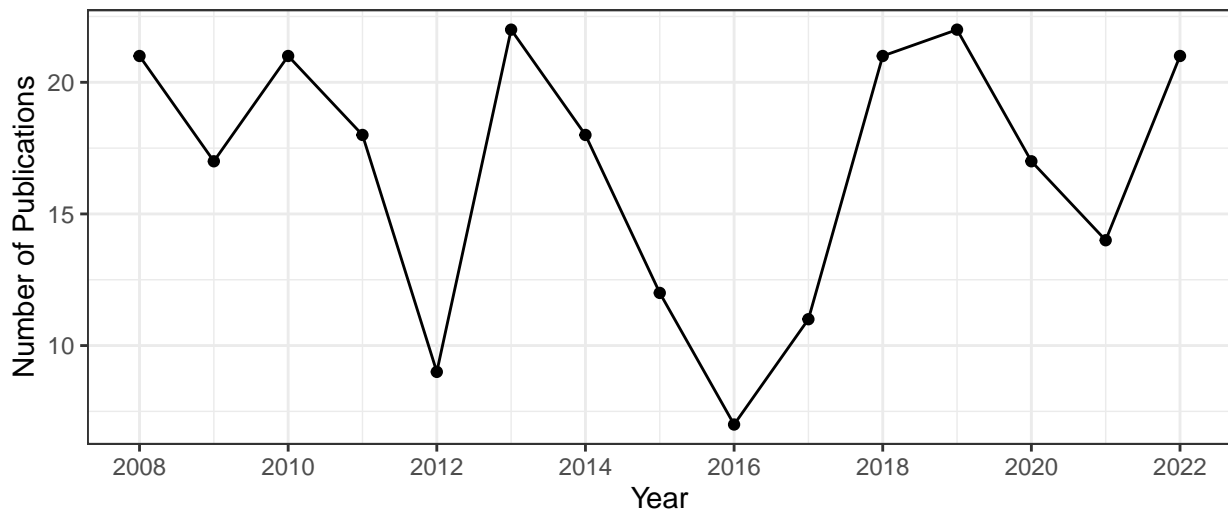
### Canadian Institutes of Health Research (CIHR) Project Grant Total Funding (co-I) - \$372,500

THE S. AUREUS NETWORK ADAPTIVE PLATFORM TRIAL (SNAP) CANADA: A RANDOMIZED CONTROLLED TRIAL FOR 2021/7 - 2025/6  
PENICILLIN-SUSCEPTIBLE, METHICILLIN-SUSCEPTIBLE, AND METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS  
BLOODSTREAM INFECTIONS IN HOSPITALIZED PATIENTS

## Publications

All publications (431 on 2022-12-06) as recorded in Google Scholar can be found [here](#)  
Citations 25,285, h-index 61

Includes letters, editorials as well as original articles



2022

### JM Brophy

MOLNUPIRAVIR'S AUTHORISATION WAS PREMATURE

*bmj*

2022

### TC Lee, S Murthy, O Del Corpo, J Sen  cal, G Butler-Laporte, ZN Sohani, ...

REMDESIVIR FOR THE TREATMENT OF COVID-19: A SYSTEMATIC REVIEW AND META-ANALYSIS

*Clinical Microbiology and Infection*

2022

### AM Albuquerque, L Tramujas, 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*

2022

### M Gaudino, JM Brophy

THE CONTROVERSY ON THE TREATMENT OF LEFT MAIN CORONARY ARTERY DISEASE

*The Journal of Thoracic and Cardiovascular Surgery*

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*

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, e*

2022

### AM Albuquerque, I Eckert, L Tramujas, 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*

2022

### M Samuel, JM Brophy

DIABETES AND ATRIAL FIBRILLATION: DOES THE TYPE OF DIABETES MATTER?

*European Journal of Preventive Cardiology*

2022

### TC Lee, S Murthy, O Del Corpo, J Senecal, G Butler-Laporte, ZN Sohani, ...

DEVELOPING A CROSS-VALIDATION TOOL FOR EVALUATING ECONOMIC EVIDENCE IN RAPID LITERATURE REVIEWS

*Journal of Comparative Effectiveness Research*

2022

### JM Brophy, L Nadeau

AMIODARONE VERSUS DRONEDARONE FOR ATRIAL FIBRILLATION--A RETROSPECTIVE COHORT STUDY

*CJC Open*

2022

### JM Brophy

BIG DATA, BIG EXPECTATIONS, AND BIG JUDGEMENTS

*Canadian Journal of Cardiology*

2022

### JM Brophy

UNDERSTANDING ASSOCIATIONS, SOCIAL INEQUITIES, AND CARDIOVASCULAR RISKS

*Canadian Journal of Cardiology*

2022

### A Rahman, J Michaud, S Dell'Aniello, E Moodie, JM Brophy, M Durand, ...

ASSOCIATION BETWEEN ORAL ANTICOAGULANTS AND RISK OF DEMENTIA IN PATIENTS WITH NON-VALVULAR ATRIAL FIBRILLATION

*PHARMACOEPIDEMIOLOGY AND DRUG SAFETY*

2022

**J Rouette, E McDonald, T Schuster, I Matok, J Brophy, L Azoulay**

THIAZIDE DIURETICS AND RISK OF COLORECTAL CANCER

**JM Brophy**

IN HF, SGLT2 INHIBITORS REDUCE HF HOSPITALIZATIONS AT UP TO 2 Y

**JM Brophy**

MRNA COVID-19 VACCINES WERE LINKED TO MYOCARDITIS AT 28 D (0.15 TO 10 EXCESS EVENTS/100 000 VACCINATED PERSONS)

**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

**AM Albuquerque, JM Brophy**

PACEMAKER RISK FOLLOWING TRANSCATHETER AORTIC VALVE REPLACEMENT-A BAYESIAN REANALYSIS

**JM Brophy**

AFTER DES IMPLANTATION, DAPT FOR 1 Y VS. ≤ 6 MO INCREASED MAJOR BLEEDING IN PATIENTS WITH HIGH BASELINE BLEEDING RISK

**AM Albuquerque, I Eckert, L Tramujas, EG McDonald, G Butler-Laporte, ...**

ANALYSIS PLAN: VERSION 1.1 EFFECT OF TOCILIZUMAB, SARILUMAB, AND BARICITINIB ON MORTALITY AMONG PATIENTS HOSPITALIZED FOR COVID-19: A SYSTEMATIC REVIEW AND META-REGRESSION

**JM Brophy**

SARS-CoV-2 TESTING IN TRAVELLERS: CAN WE BE SMARTER?

PHARMACOEPIDEMIOLOGY AND  
DRUG SAFETY

2022

*Annals of Internal Medicine*

2022

*Annals of Internal Medicine*

2022

*BMJ Open*

2022

*International Journal of Cardiology*

2022

*Annals of Internal Medicine*

2022

*CMAJ*

2022

## Publications 2021

**TC Lee, EG McDonald, G Butler-Laporte, LB Harrison, MP Cheng, ...**

REMDESIVIR AND SYSTEMIC CORTICOSTEROIDS FOR THE TREATMENT OF COVID-19: A BAYESIAN RE-ANALYSIS

**M Etmnan, JM Brophy, G Collins, M Nazemipour, MA Mansournia**

TO ADJUST OR NOT TO ADJUST: THE ROLE OF DIFFERENT COVARIATES IN CARDIOVASCULAR OBSERVATIONAL STUDIES

**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

**AM Albuquerque, L Tramujas, LR Sewanan, JM Brophy**

TOCILIZUMAB IN COVID-19—A BAYESIAN REANALYSIS OF RECOVERY

**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 ...

**S Rinfret, I Jahan, K McKenzie, N Dendukuri, KR Bainey, 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 ...

**TJC Perreault S, Dragomir A, Côté R, Lenglet A, White-Guay B, de Denus S ...**

COMPARATIVE EFFECTIVENESS AND SAFETY OF HIGH-DOSE RIVAROXABAN AND APIXABAN FOR ATRIAL FIBRILLATION: A PROPENSITY SCORE-MATCHED COHORT STUDY

**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

**S Perreault, A Dragomir, R Côté, A Lenglet, S De Denus, M Dorais, ...**

COMPARATIVE EFFECTIVENESS AND SAFETY OF LOW-DOSE ORAL ANTICOAGULANTS IN PATIENTS WITH ATRIAL FIBRILLATION

**JM Brophy**

BAYESIAN ANALYSES OF CARDIOVASCULAR TRIALS—BRINGING ADDED VALUE TO THE TABLE

**JM Brophy**

KEY ISSUES IN THE STATISTICAL INTERPRETATION OF RANDOMIZED CLINICAL TRIALS

*International Journal of Infectious  
Diseases*

2021

*American Heart Journal*

2021

*Canadian Journal of Cardiology*

2021

*medRxiv*

2021

*Trials*

2021

*CJC open*

2021

*Pharmacotherapy*

2021

*Canadian Journal of Cardiology*

2021

*Frontiers in pharmacology*

2021

*Canadian Journal of Cardiology*

2021

*Canadian Journal of Cardiology*

2021

<b>G Nakhlé, JM Brophy, C Renoux, P Khairy, P Bélisle, J LeLorier</b>	<i>Journal of Clinical Epidemiology</i>
DOMPERIDONE INCREASES HARMFUL CARDIAC EVENTS IN PARKINSON'S DISEASE: A BAYESIAN RE-ANALYSIS OF AN OBSERVATIONAL STUDY	2021
<b>J Rouette, JM Brophy, T Schuster, L Azoulay</b>	<i>PHARMACOEPIDEMIOLOGY AND DRUG SAFETY</i>
TREATMENT TRAJECTORY OF ANTIHYPERTENSIVE DRUGS IN UK PRIMARY CARE PRACTICES	2021
<b>AM Albuquerque, TC Lee, DR Williams, L Tramuja, JM Brophy</b>	
ANALYSIS PLAN DOES SARILUMAB REDUCE MORTALITY IN HOSPITALIZED PATIENTS FOR COVID-19? A BAYESIAN REANALYSIS	2021

## Publications 2020

<b>JM Brophy</b>	<i>JAMA Internal Medicine</i>
BAYESIAN INTERPRETATION OF THE EXCEL TRIAL AND OTHER RANDOMIZED CLINICAL TRIALS OF LEFT MAIN CORONARY ARTERY REVASCULARIZATION	2020
<b>S Cohen, A Liu, F Wang, L Guo, JM Brophy, M Abrahamowicz, J Therrien, ...</b>	<i>International Journal of Cardiology</i>
RISK PREDICTION MODELS FOR HEART FAILURE ADMISSIONS IN ADULTS WITH CONGENITAL HEART DISEASE	2020
<b>EM Jolicoeur, N Dendukuri, P Belisle, G Range, G Souteyrand, F Bouisset, ...</b>	<i>Canadian Journal of Cardiology</i>
IMMEDIATE VS DELAYED STENTING IN ST-ELEVATION MYOCARDIAL INFARCTION: RATIONALE AND DESIGN OF THE INTERNATIONAL PRIMACY BAYESIAN RANDOMIZED CONTROLLED TRIAL	2020
<b>J Ben-Shoshan, P Overtchouk, J Buithieu, N Mousavi, G Martucci, ...</b>	<i>JACC: Cardiovascular Interventions</i>
PREDICTORS OF OUTCOMES FOLLOWING TRANSCATHETER EDGE-TO-EDGE MITRAL VALVE REPAIR	2020
<b>M Samuel, B Batomen, J Rouette, J Kim, RW Platt, JM Brophy, ...</b>	<i>BMJ open</i>
EVALUATION OF PROPENSITY SCORE USED IN CARDIOVASCULAR RESEARCH: A CROSS-SECTIONAL SURVEY AND GUIDANCE DOCUMENT	2020
<b>JM Brophy</b>	<i>bmj</i>
US PURCHASES WORLD STOCKS OF REMDESIVIR: WHY THE REST OF THE WORLD SHOULD BE GLAD TO BE AT THE BACK OF THE QUEUE	2020
<b>P Theriault-Lauzier, H Alsosaimi, N Mousavi, J Buithieu, M Spaziano, ...</b>	<i>International journal of computer assisted radiology and surgery</i>
RECURSIVE MULTIREOLUTION CONVOLUTIONAL NEURAL NETWORKS FOR 3D AORTIC VALVE ANNULUS PLANIMETRY	2020
<b>F Wang, LH Sterling, A Liu, JM Brophy, G Paradis, A Marelli</b>	<i>International journal of cardiology</i>
RISK OF READMISSION AFTER HEART FAILURE HOSPITALIZATION IN OLDER ADULTS WITH CONGENITAL HEART DISEASE	2020
<b>F Wang, A Liu, JM Brophy, S Cohen, M Abrahamowicz, G Paradis, ...</b>	<i>Circulation: Heart Failure</i>
DETERMINANTS OF SURVIVAL IN OLDER ADULTS WITH CONGENITAL HEART DISEASE NEWLY HOSPITALIZED FOR HEART FAILURE	2020
<b>R Puri, JM Brophy, MJ Mack</b>	<i>Journal of the American College of Cardiology</i>
REVASCULARIZING DIABETIC MULTIVESSEL CORONARY ARTERY DISEASE IN THE 2020S: FOREVER SURGICALLY SWEET?	2020
<b>J Rouette, JM Brophy, T Schuster, L Azoulay</b>	<i>PHARMACOEPIDEMIOLOGY AND DRUG SAFETY</i>
PRESCRIBING TRENDS OF ANTIHYPERTENSIVE DRUGS IN THE UNITED KINGDOM: A 30-YEAR ASSESSMENT	2020
<b>G Nakhle, J Brophy, P Khairy, J LeLorier, C Renoux, P Belisle</b>	<i>PHARMACOEPIDEMIOLOGY AND DRUG SAFETY</i>
A BAYESIAN ANALYSIS OF OBSERVATIONAL STUDIES: THEORETICAL AND PRACTICAL CONSIDERATIONS	2020
<b>J Brophy</b>	<i>Annals of Internal Medicine</i>
IN ADULTS WITH CHEST PAIN, A TROPONIN LIMIT OF DETECTION STRATEGY DID NOT INCREASE EARLY DISCHARGE RATE	2020
<b>M Etminan, JM Brophy, A Samii</b>	
'UPDATE': ORAL FLUOROQUINOLONE USE AND RISK OF PERIPHERAL NEUROPATHY: A PHARMACOEPIDEMIOLOGIC STUDY	2020
<b>JM Brophy</b>	<i>Canadian Journal of Cardiology</i>
THE DOLLARS AND SENSE OF TRANSCATHETER AORTIC VALVE REPLACEMENT: AN EXAMPLE OF THE BENEFIT OF AVOIDING STENOSES IN HEALTH CARE SERVICES RESEARCH	2020

**M Aloosh, S Leclerc, S Long, G Zhong, JM Brophy, T Schuster, R Steele, ...**

ONE-YEAR TEST-RETEST RELIABILITY OF TEN VISION TESTS I N CANADIAN ATHLETES [VERSION 4; PEER REVIEW: 1 APPROVED

2020

**JM Brophy**

*American heart Journal*

TARGETING ALL-COMERS- ARE WE DOING AS WELL AS WE CAN?

2020

## Top citations

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**MN Babapulle, L Joseph, P Bélisle, JM Brophy, MJ Eisenberg**

*The Lancet*

A HIERARCHICAL BAYESIAN META-ANALYSIS OF RANDOMISED CLINICAL TRIALS OF DRUG-ELUTING STENTS

2004

• cites: 908

**JM Brophy, L Joseph, JL Rouleau**

*Annals of internal medicine*

BETA BLOCKERS IN CONGESTIVE HEART FAILURE: A BAYESIAN META-ANALYSIS

2001

• cites: 605

**GBJ Mancini, M Etminan, B Zhang, LE Levesque, JM FitzGerald, ...**

*Journal of the American College of Cardiology*

REDUCTION OF MORBIDITY AND MORTALITY BY STATINS, ANGIOTENSIN-CONVERTING ENZYME INHIBITORS, AND ANGIOTENSIN

2006

RECEPTOR BLOCKERS IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE

• cites: 536

**M Sousa-Uva, FJ Neumann, A Ahlsson, F Alfonso, AP Banning, ...**

*European Journal of Cardio-Thoracic Surgery*

2018 ESC/EACTS GUIDELINES ON MYOCARDIAL REVASCULARIZATION

2019

• cites: 509

**M Bally, N Dendukuri, B Rich, L Nadeau, A Helin-Salmivaara, E Garbe, ...**

*bmj*

RISK OF ACUTE MYOCARDIAL INFARCTION WITH NSAIDS IN REAL WORLD USE: BAYESIAN META-ANALYSIS OF INDIVIDUAL PATIENT

2017

DATA

• cites: 457

## Talks (2022)

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### St Mary's Hospital Department of Medicine Grand Rounds Rounds

DUAL ANTIPLATELET THERAPY (DAPT) IN 2022

Montreal QC Feb 3 2022

### McGill University - The 'Crisis' in Health Research

CAN MEDICAL GUIDELINES ADVERSELY AFFECT THE HEALTH COMMONS?

Montreal QC April 11 2022

## Talks (2021)

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### McGill University Health Center Cardiovascular Rounds

BAYES MEETS THE NEJM

Montreal QC Sept 13 2021

### McGill University Health Center Department of Medicine Grand Rounds Rounds

BAYES MEETS THE NEJM

Montreal QC Sept 20 2021

### McGill University Department of Epidemiology, Biostatistics and Occupational Health Fall Seminar Series

USING A 250 YEAR OLD LENS TO ANALYSE CONTEMPORARY CARDIOVASCULAR TRIALS

Montreal QC Sept 27 2021

### Quebec Society of vascular sciences annual scientific meeting

COLCHICINE AND CORONARY ARTERY DISEASE

Montreal Oct 26 2021

## Talks (2020)

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### McGill University The 'Crisis' in Health Research and its Implications for Research, Health Policy and Clinical Practice

CAN MEDICAL GUIDELINES ADVERSELY AFFECT THE HEALTH COMMONS?

Montreal QC Feb 2020

### McGill Department of Medicine

FRQS INFORMATION SESSION

Montreal QC June 2020

### Combined Jewish General Hospital-McGill University Health Center Cardiovascular Rounds

A BAYESIAN APPROACH TO LEFT MAIN DISEASE – HOW HAS THE EXCEL TRIAL MOVED THE NEEDLE?

Montreal QC Sept 2020

### 34th Annual European Association for Cardio-thoracic Surgery

THE ROLE OF SYNTAX SCORE FOR TREATMENT DECISION MAKING

Barcelona Spain Oct 2020