

**Colin B. Josephson, M.D., M.Sc. (physiology), M.Sc.
(epidemiology), F.R.C.P.C., CSCN (EEG)**

Curriculum Vitae

I. BIOGRAPHICAL DATA

Name: Colin Bruce Josephson
Address: Foothills Medical Centre
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Calgary, AB, Canada, T2N 2T9
Telephone: +1 (403) 220-4289
Email: cbjoseph@ucalgary.ca

Present rank: Associate Professor of Neurology
Primary Department: Clinical Neurosciences
Secondary Department: Community Health Sciences
Faculty: Medicine
Institution: University of Calgary

II. ACADEMIC RECORD

i. Undergraduate

Medical degree (MD)
Date completed: May 2006
Specialty: Medicine
Institution/City/Country: Dalhousie University, Halifax, Canada

Bachelor of Science (Honours)

Date completed: April 2000
Specialty: Biology
Institution/City/Country: Queen's University, Kingston, Canada

ii. Special Professional

Neurology FRCP(C)
Date completed: June 2013
Specialty: Neurology
Institution/City/Country: Dalhousie University, Halifax, Canada

iii. Graduate and post-doctoral

Date completed

Specialty

Title of thesis

Supervisors

Institution/City/Country

Masters of Science

November 2018

Epidemiology

A systematic approach to using regression modelling and 'big data' to derive a meaningful clinical decision rule for epilepsy

Dr. Samuel Wiebe and Dr. Nathalie Jetté

University of Calgary, Calgary, AB, Canada

Visiting Research Scholar

Date completed

Specialty

Institution/City/Country

December 2015

Big Data research and analytics

Farr Institute; University College London, London, UK

Clinical Research Fellow

Date completed

Specialty

Institution/City/Country

June 2013

Epilepsy and EEG

University of Calgary, Calgary, Canada

Clinical Research Fellow

Date completed

Specialty

Institution/City/Country

February 2011

Intracranial Vascular Malformations

University of Edinburgh, Edinburgh, United Kingdom

Masters of Science (Dean's List Honours)

Date completed

Specialty

Title of thesis

Supervisor

Institution/City/Country

September 2003

Physiology

Determination of sites in the Na(+)/H(+) Exchanger Isoform 1 (NHE1) involved in ion translocation

Dr. John Orłowski

McGill University, Montreal, Canada

iv. Licensure, certification, boards

2015-present

Canadian Society for Clinical Neurophysiology (EEG) certification

2013-present	College of Physicians and Surgeons of Alberta
2013-present	Fellow of the Royal College of Physicians and Surgeons of Canada
2013-present	Specialist Certificate, Neurology, Royal College of Physicians and Surgeons of Canada
2009-2011	United Kingdom General Medical Council
2007-present	Licentiate of the Medical Council of Canada (LMCC)
2006-2013	Nova Scotia College of Physicians and Surgeons

III. AWARDS AND DISTINCTIONS

2022	Silver award for contributing 20.00 hours in direct teaching time
2021	Bronze award for contributing 10.50 hours in direct teaching time
2020	Associate Dean's Letter of Excellence for Small Group Teaching
2020	Associate Dean's Letter of Excellence for Clinical Core Teaching
2020	Silver award for contributing 22.00 hours in direct teaching time
2020	Behind the Scenes Award for Significant "Behind-the-Scenes" Contributions to the Pre-Clerkship Applied Evidence-Based Medicine (AEBM) Course (MDCN 440) in the 2018-2019 academic year at the University of Calgary
2019	Associate Dean's Letter of Excellence for Small Group Teaching
2019	Associate Dean's Letter of Excellence for Clinical Core Teaching
2019	Silver award for contributing 22.50 hours in direct teaching time
2019	Behind the Scenes Award for Significant "Behind-the-Scenes" Contributions to the Pre-Clerkship Applied Evidence-Based Medicine (AEBM) Course (MDCN 440) in the 2017-2018 academic year at the University of Calgary
2019	Shortlisted for the Michael Prize as best candidate with a focus on the field of neuropsychology and psychiatry in epilepsy.

2019 Recognised at the University of Calgary's Cumming School of Medicine Celebration of Excellence

2018 Canadian League Against Epilepsy (CLAE) Junior Investigator Award

2018 Named to the University of Calgary's Honour Roll of Outstanding Undergraduate Medical Teaching

2017 Accepted into the 2017 Canadian Institutes of Health Research (CIHR) Early Career Investigators Grant Review Program

2017 Accepted into the 2017 International League Against Epilepsy (ILAE) Leadership Program

2016 12th European Congress on Epilepsy Highly Commended Certificate for Poster Presentation of 'Adverse psychological effects of levetiracetam compared to seven other common anti-epileptic drugs in adults with epilepsy in general practice'

2015 Alberta Innovation and Advanced Education Graduate Student Scholarship for \$3000.00

2014 American Brain Foundation/American Academy of Neurology/American Epilepsy Society/Epilepsy Foundation Susan S. Spencer Clinical Research Training Fellowship in Epilepsy

2014 Alberta Innovates Health Solutions (AIHS) Clinician Fellowship recipient

2013 Canadian Institutes Health Research (CIHR) Fellowship recipient

2013 American Epilepsy Society Fellow Travel Award

2013 Canadian Society of Clinical Neurophysiologists (CSCN) National Clinical Fellowship in Epilepsy and Electroencephalography

2013 Canadian League Against Epilepsy Mary Ann Lee Award for best neurology or neurosurgery resident research

2012 Dalhousie University Neurosciences Research Day best oral presentation

2011 Dalhousie University Faculty of Medicine Research Day DMAA Award for best oral presentation

2011 Dalhousie University Department of Medicine Research Day award for best oral presentation

2010	European Stroke Conference Young Investigator of the Year Award.
2010	Royal College of Physicians London 'International Advisors as Partners: Models of Collaboration' Meeting award for poster presentation
2010	Angioma Alliance Travel Award
2006	Richard Payzant Ward Travel Bursary to attend the Canadian Congress of Neurological Sciences
2006	Dalhousie University Graham Gwyn Memorial Prize in Neurology
2006	Dalhousie International Health Office Travel Bursary
2005	Recipient of Top Poster Presentation Prize at the Dalhousie Faculty of Medicine Student Research Day
2004	Canadian Cardiovascular Academy "Have a Heart Bursary"
2003	Awarded Dean's List Honours on graduation with an M.Sc. from McGill University
2002	Awarded runner-up for oral presentation at the 8 th Annual McGill University Department of Physiology Graduate Students Research Day
2001	Awarded runner-up for poster presentation at the 7 th Annual McGill University Department of Physiology Graduate Students Research Day
2000	Awarded the Faculty of Graduate Studies and Research Fellowship as the top-ranked incoming graduate student to McGill University's Department of Physiology
2000	Ontario University Athletics (OUA) Academic All-Ontario Status
1999	Ontario University Athletics (OUA) Academic All-Ontario Status
1997-2001	Member of the Queen's University Varsity Curling Team
1997	Awarded Dean's List Status at Acadia University
1997	Recipient of the Clarke K. McLeod Pre-Medical Scholarship at Acadia University
1996	Awarded a mid-year scholarship for academic achievement at Acadia University

IV. ACADEMIC APPOINTMENTS

2019-present	Full Member; Centre for Health Informatics, University of Calgary
2017-present	Member of the Denaxas Laboratory at the University of College London and Farr Institute of Health Informatics Research
2016-present	Full Member; Hotchkiss Brain Institute, University of Calgary
2016-present	Full Member; O'Brien Institute of Public Health, University of Calgary
2016-present	Assistant Professor of Neurology; University of Calgary
2013-2015	Clinical Research Fellow in Epilepsy; University of Calgary
2011-2012	Co-Chief Resident in Neurology; Dalhousie University
2009-2011	Clinical Research Fellow in Vascular Malformations of the Brain; University of Edinburgh

V. EDUCATIONAL ACTIVITIES

i. Undergraduate

2018-	University of Calgary Faculty of Medicine classroom lecturer on diagnostic tests for <i>MDCN 440: Applied Evidence Based Medicine</i>
2017-	University of Calgary Faculty of Medicine classroom lecturer on epilepsy for <i>MDCN 450 (Course V): Integrated Neurosciences, Special Senses and Aging</i>
2017-2020	Evaluation chair of the University of Calgary Faculty of Medicine course <i>MDCN 440: Applied Evidence Based Medicine</i>
2017-	University of Calgary <i>MDCN 440: Applied Evidence Based Medicine</i> small group preceptor
2015-	University of Calgary Clinical Core <i>MDCN 450 (Course V): Integrated Neurosciences, Special Senses and Aging</i> preceptor for small group teaching of medical students
2014-	University of Calgary <i>MDCN 450 (Course V): Integrated Neurosciences, Special Senses and Aging</i>

	<i>Clinical Core</i> preceptor for clinical skills teaching for medical students
2008	Tutor for Dalhousie Medical School small group Epidemiology tutorials
2006-2013	Instructor for Dalhousie second year medical student clinical skills unit
2006-2012	Responsible for supervising medical students rotating through Clinical Neurology
2002	Teaching Assistant for Introductory Physiology Laboratory Course at McGill University

ii. Resident

2016-	Prepared and invigilated epilepsy OSCEs for residents from the PGY-1 to -5 level
2016-	Mentored residents during their 3-month Epilepsy Rotation including in clinic, reading EEGs, and on the Seizure Monitoring Unit
2016-2017	University of Calgary Neurology Continuum Rounds facilitator
2015-2017	University of Calgary Neurology Residents' 'Spot the brain cell' lectures

iii. Undergraduate and graduate supervision

2022	Ms. Eulee Kwon University of Calgary MSc candidate in Biomedical Engineering (committee member)
2022-	Ms. Marta Berglund, University College London MSc dissertation (co-supervised with Dr. Arturo Gonzalez-Izquierdo)
2022-2022	Mr. Aaron Wang, University of Calgary undergraduate summer student (primary supervisor; co-supervised with Dr. Karl Martin Klein)
2021-	Dr. Gordon Jewett, University of Calgary MSc candidate in Neurosciences (committee member)

2022-	Mr. Olayinka Arimoro, University of Calgary MSc candidate in Community Health Sciences (co-supervisor)
2021-	Ms. Chantelle Lin, University of Calgary MSc candidate in Community Health Sciences (primary supervisor)
2021-2021	Ms. Keerthana Chockalingam, University of Calgary undergraduate summer student (primary supervisor; co-supervised with Dr. Karl Martin Klein)
2021	Ms. Lucy Lei, MSc candidate (external examiner; primary supervisor Dr. James White)
2020-2021	Mr. Arsenije Subotic, University of Calgary undergraduate student and research assistant at the Hotchkiss Brain Institute <ul style="list-style-type: none"> • Mentored him for a COVID-19 project that received the International League Against Epilepsy's North American Region's 2021 COVID-19 Research Prize
2020	Ms. Boglarka Soos, PhD candidate (external examiner; primary supervisor Dr. Tyler Williamson)
2020	Ms. Dina Labib, PhD candidate (external examiner; primary supervisor Dr. James White)
2020-	Ms. Shohre Aminolroaya, PhD candidate (supervisory committee)
2020-	Ms. Nafisa Husein, MSc candidate (co-supervisor with Dr. Mark Keezer)
2019-	Mr. Bijan Farhoudi, PhD candidate (supervisory committee)

2019-	Mr. Antis George, PhD candidate (internal committee member)
2018-2022	Ms. Pauline Mouches, PhD Biomechanical Engineering candidate (supervisory committee member)
2018-	Mr. Will Wilson, Master of Science candidate (supervisory committee member)
2018-2020	Ms. Ana Subota, Master of Science candidate (supervisory committee member)
2017-2018	Ms. Sanjana Sudershan, undergraduate Bachelor of Health Sciences student project (co-supervised with Dr. Pamela Roach for course MDSC 507)
2017-2018	Mr. Kevin Perera, undergraduate Bachelor of Health Sciences student project (co-supervised with Dr. Nathalie Jette for course MDSC 528)
2017	Ms. Aysha Lukmanji, undergraduate summer student from McGill University (co-supervised with Dr. Nathalie Jette)
2017	Mr. Connor Branch, undergraduate summer student from Carleton University (co-supervised with Dr. Nathalie Jette)
2016-2017	Ms. Ana Subota, undergraduate Bachelor of Health Sciences student project (co-supervised with Dr. Nathalie Jette for course MDSC 507)

iv. Supervised epilepsy fellows (as Epilepsy Fellowship Director at the University of Calgary)

2022-2023	Dr. Farnaz Sinaei
2021-2022	Dr. Cassie Fehr
2020-2022	Dr. Laura Gill

2020-2022	Dr. Guillermo Delgado Garcia
2019-2020	Dr. Amal Almohawes
2017-2020	Dr. Joseph Peedicail
2017-2018	Dr. Seraj Makkawi
2017-2017	Dr. Nicholas Maraj
2017-2017	Dr. Yasser Al-Malik

v. Continuing medical education

2019-	Co-organiser for the Annual Western Epilepsy Workshop
2017-	Co-organiser for the Annual International Banff Epilepsy Symposium

VI. ADMINISTRATIVE RESPONSIBILITIES

i. Departmental

2022-	Canadian Resident Matching Service (CaRMS) reviewer for the Division of Neurology, University of Calgary
2019-	Calgary Comprehensive Epilepsy Program Clinic Director
2019-	Member of the University of Calgary's Department of Community Health Sciences Graduate Student Scholarship Review Committee
2019-	Member of University of Calgary's Brain and Mental Health Clinics (BMRC) Leadership Committee and Executive Committee
2019	Member of the University of Calgary's Division of Neurology Strategic Planning Committee

2018	Member of the Search and Selection Committee for a Clinical Epileptologist at the University of Calgary
2018	Member of the Search and Selection Committee for Head of Neurology at the University of Calgary
2018	Member of the Neuro Flow Collaboration formed to improve acute inpatient flow
2018	Member of the Search and Selection Committee for a Neurointensivist with cross-appointments in Neurology and Critical Care at the University of Calgary
2017-	Head of the Calgary Comprehensive Epilepsy Program Registry/Research Project
2017-	Fellowship Director for the University of Calgary's Division of Epilepsy
2017-	Co-Director of Education for the University of Calgary's Division of Epilepsy
2017	Member of the Search and Selection Committee for an academic adult epileptologist at the University of Calgary
2016-	Co-chair of the Division of Neurology Resident Research Sub-Committee of the Residency Program Committee
2011-2012	Co-chief resident for the Division of Neurology
2011-2012	Member of the Dalhousie Adult Neurology Resident-in-Training Committee
2008	Member of the interview committee for Dalhousie Adult Neurology Residency Program
2003- 2004	Dalhousie University Med II Class Representative for the Electives Block of the School Curriculum
2001- 2002	President of the McGill University Physiology Graduate Student Association

ii. Faculty

2017-2021	Evaluation Chair for University of Calgary Faculty of Medicine course <i>MDCN 440: Applied Evidence-Based Medicine</i>
2003-2004	Co-chair of the 2004 Atlantic Medical School conference held in Halifax, NS
2001- 2002	Department of Physiology representative to the Faculty of Graduate Studies & Research

iii. University

2005-2006	Member of the interview committee for Dalhousie Medical School admissions
2001- 2002	McGill University Post -Graduate Student Society (PGSS) Councilor
1998	Member of the organizing and leadership team of the New Exchange and Transfer Student Orientation Week (NEWTS) at Queen's University

VII. PROFESSIONAL ACTIVITIES

i. Membership in professional and learned societies

2015-present	Canadian Society for Clinical Neurophysiology (EEG) certification
2013-present	Fellow of the Royal College of Physicians and Surgeons of Canada
2013-present	College of Physicians and Surgeons of Alberta
2013-present	Alberta Medical Association
2012-present	American Epilepsy Society
2012-present	Canadian League Against Epilepsy
2009-2011	General Medical Council
2007-present	Licentiate of the Medical Council of Canada (LMCC)
2007-present	American Academy of Neurology
2007-present	Canadian Medical Association
2007-present	Medical Council of Canada

ii. Professional service

Journal editorship

2019-2021	Member of the Editorial Board of Neurological Research and Practice
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Journal review (ad hoc)

- 1) Neurology
- 2) Canadian Medical Association Journal
- 3) Stroke
- 4) Advances in Clinical Neuroscience and Rehabilitation
- 5) British Medical Journal
- 6) McMaster Online Rating of Evidence (MORE)
- 7) Cochrane Database of Systematic Reviews
- 8) Canadian Journal of Neurological Sciences
- 9) Journal of Neurology, Neurosurgery, and Psychiatry
- 10) Acta Neurologica Scandinavica
- 11) Epilepsia
- 12) Epilepsia Open
- 13) Seizure
- 14) BMJ Open
- 15) Journal of the Neurological Sciences
- 16) Epilepsy Research
- 17) Epilepsy & Behavior
- 18) Expert Opinion on Investigational Drugs
- 19) Headache
- 20) Neurology: Clinical Practice
- 21) BMC Neurology
- 22) Brain Communications
- 23) JAMA Neurology

Grant review (ad hoc)

2021	Health Research Board Ireland
2018	CIHR Institute Community Support (ICS) Planning and Dissemination Grants
2018	Saskatchewan Health Research Foundation's Establishment Grant Program
2018	CIHR Institute of Neurosciences, Mental Health and Addiction
2018	United Kingdom Stroke Association

- 2017 United Kingdom Stroke Association
- 2017 Office of the Associate Dean Research, University of Calgary, preliminary review of CIHR SPOR iCT Rewarding Success Initiative applications.

National and international committees

- 2021-2022 Chair of the American Epilepsy Society (AES) Annual Meeting Epidemiology Special Interest Group Symposium
- 2021- Co-chair of the International League Against Epilepsy's Standards and Best Practice Council Task Force on Delphi and Consensus Methodology in Epilepsy
- 2021- Member of the International League Against Epilepsy's Standards and Best Practice Council
- 2021- Chair of the International League Against Epilepsy's Big Data Commission
- 2021- Member of the International League Against Epilepsy's Surgical Therapies Commission Task Force on Epilepsy Surgery Evidence and Outcomes
- 2020-2021 Vice Chair of the American Epilepsy Society (AES) Annual Meeting Epidemiology Special Interest Group Symposium
- 2020-2021 Member of the International League Against Epilepsy Surgical Therapies: Commission Paper Sub-Task Force (Chaired by Dr. Lara Jehi)
- 2020-2022 Neurologic Prognostication in the post cardiac arrest patient: A Canadian Cardiovascular Society/Canadian Neurocritical Care Society Position Statement Primary Panel Member

- 2020-2022 Steering committee member of the EpLink - The Epilepsy Research Program of the Ontario Brain Institute and James Lind Alliance Priority Setting Partnership
- 2019-2020 Co-organiser of the American Epilepsy Society (AES) Annual Meeting Epidemiology Special Interest Group Symposium
- 2018 International Population Data Linkage Network (IPDLN) Conference Review Committee
- 2017- Canadian Board of Registration of Electroencephalograph Technologists, Inc. (C.B.R.E.T., Inc.) Examiner
- 2017- Member of the International League Against Epilepsy Task Force on Big Data/Open Data (Chaired by Dr. Samden Lhatoo)
- 2017- Member of the International League Against Epilepsy Sub-Task Force on Driving (Chaired by Dr. Nathalie Jette)
- 2014-2016 Canadian League Against Epilepsy (CLAE) Junior Member Representative

VIII. RESEARCH AND SALARY AWARD SUPPORT

Amount	Funding agency	Year(s) of funding	Project/Activity
50,000 (CAD)	Epilepsy Canada/Cure Epilepsy New Investigator Award	2021-2022	Leveraging multisource precision medicine and advanced analytics to reduce the burden of pharmaco-resistant epilepsy
20,000 (CAD)	Hotchkiss Brain Institute Pilot Research Fund Program (PFUN)	2021-2022	Leveraging multisource precision medicine and advanced analytics to reduce the burden of pharmaco-resistant epilepsy
20,000 (CAD)	Cumming School of Medicine Clinical Research Fund (CRF)	2020-2022	Understanding the Impact of the COVID-19 Pandemic on the well-being and care provision for patients at

	Rapid Response COVID-19 Funding Competition		University of Calgary Brain and Mental Health Clinics
20,000 (CAD)	Hotchkiss Brain Institute	2019-2021	CAndian National study On Epilepsy (CANOE)
50,000 (CAD)	Eisai Canada	2019-2022	CAndian National study On Epilepsy (CANOE)
1,497,487.80 (CAD)	European Research Area (ERA-NET)	2019-2022	Rational antiepileptic drug selection by combining gene network and ICT analysis
55,000.00 (CAD)	CFN Catalyst Grant Competition	2018-2019	The EDGAR study (Elderly with epilepsy DruG AppRopriateness)
15,000.00 (CAD)	University Research Grants Committee Seed Grant	2018	Creating a precision medicine pipeline for the neurosciences
15,000.00 (CAD)	Hotchkiss Brain Institute	2018	Use of COX-2 and Calcium Channel Blockers and epilepsy outcomes in large, linked electronic health records
102,000.00 (CAD)	UCB Canada Inc.	2018	CAndian National study On Epilepsy (CANOE)
3000.00 (CAD)	Alberta Innovation and Advanced Education Graduate Student Scholarship	2015	Masters of Epidemiology
130,000.00 (USD)	American Brain Foundation/American Epilepsy Society/Epilepsy Foundation/American Academy of Neurology	2014-2016	Susan S. Spencer Clinical Research Training Fellowship in Epilepsy
210,000.00 (CAD)	Alberta Innovates: Health Solutions	2014-2017	Alberta Innovates: Health Solutions Clinician Fellowship
165,000.00 (CAD)	Canadian Institutes of Health Research	2013-2016	Canadian Institutes of Health Research Fellowship
65,000.00 (CAD)	Canadian Society of Clinical Neurophysiologists	2013	Canadian Society of Clinical Neurophysiologists Clinical Fellowship in Epilepsy and Electroencephalography

IX INVITED ADDRESSES

i. Invited talks

- 2022 Canadian League Against Epilepsy Annual Meeting
- Required steps to render new markers clinically effective in stereo-EEG
- 2022 Hope for Hypothalamic Hamartoma Symposium
- CANadian Observational study on Epilepsy (CANOE)
- 2022 15th Latin American Summer School on Epilepsy
- Big Data: From hype to reality
- 2022 Seizure Semiology
- University of Calgary Division of Neurology Academic Half-Day lecture
- 2022 39th Annual Calgary Therapeutics Course
- Deprescribing Seizure Medications
- 2022 2nd Annual UCB AES Highlights
- Association of enzyme-inducing antiseizure medication use with long-term cardiovascular disease in adult patients: A population-based retrospective cohort study
- 2022 Epilepsy Association Calgary/Edmonton Epilepsy Association
- Driving and epilepsy: crystal clear or clear as mud?
- 2021 75th Annual American Epilepsy Society Meeting
- Defining late onset epilepsy

- 2021 34th Annual International Epilepsy Congress
- Co-chair of the parallel session: Can we predict the efficacy of epilepsy therapy in individual patients
- 2021-present Canadian League Against Epilepsy Canadian Epilepsy Teaching Network (CETN) lecture
- Presentation: Physiology 2: Pathophysiology, abnormal EEG, temporal lobe: anatomy and neurophysiology
- 2021 Queen's University Epilepsy Grand Rounds
- Presentation: Better care through better data: how informatics and advanced analytics can improve epilepsy management.
- 2021 New York University (NYU) Comprehensive Epilepsy Program Research Rounds
- Presentation: Building on conventional and big data approaches to catalyse precision epilepsy
- 2021 2021 University of Calgary Stroke Fellows Lecture
- Presentation: Vascular malformations and epilepsy
- 2020 2020 American Epilepsy Society Meeting
- Presentation: Psychiatric comorbidities in epilepsy: epidemiology special interest group
- 2020 44th Annual Mexican Academy of Neurology Meeting
- Presentation: Psychiatric comorbidities in epilepsy: it is all in the head
- 2020 Calgary Comprehensive Epilepsy Program (CEP retreat)
- Presentation: Using machine learning to identify predictors of satisfaction with epilepsy surgery

- 2020 1st North American Epilepsy Congress
- Presentation: Painting the clinical picture of the older adult with epilepsy
- 2020 Eisai Inc. National Epilepsy Lecture Series
- Presentation: The second mode: epilepsy in the elderly
- 2020 3rd Annual Banff International Epilepsy Symposium
- Presentation: Big Data Approaches to Epilepsy
- 2020 University of Calgary Department of Clinical Neurosciences Grand Rounds, Calgary, AB, Canada
- Presentation: Better living through chemistry...and better care through data.
- 2019 Canadian League Against Epilepsy Annual Meeting, Winnipeg, MB, Canada
- Presentation: The CANadian Observational study of Epilepsy (CANOE): a progress update on a new initiative.
- 2019 University of Ottawa Department of Neurology Grand Rounds
- Presentation: Is bigger better? How can routine data be used to improve epilepsy care?
- 2019 2nd Annual Banff International Epilepsy Symposium
- Presentation: Medical treatment of elderly epilepsy patients
- 2018 'NeuroLogic' Allied Health Neurology Education Day
- Presentation: What's in a name: classifying seizures and epilepsy
- 2018 Cumming School of Medicine Artificial Intelligence Day

- Presentation: Big data and advanced analytics in clinical studies of epilepsy: an epidemiologist's perspective
- 2018
- 6th Annual BC Epilepsy Symposium
- Presentation: Twin peaks: the rising incidence of epilepsy in the elderly
- 2018
- 13th Annual European Congress on Epileptology
- Session co-chair: Enabling precision medicine in epilepsy through big health data analytics
 - Presentation: Large, linked electronic and administrative data and the epidemiology of epilepsy
- 2018
- 53rd Annual Canadian Neurological Sciences Federation Congress
- A practical and clinically relevant review of the newest generation AEDs
- 2018
- Invited lectures at l'Université de Montréal, Montreal
- Grand rounds: Psychiatric comorbidities in epilepsy: think outside the seizure
 - Epilepsy rounds: Harnessing routine clinical data to improve efficiency and advance research
- 2018
- National Epilepsy Review Course (NERC)
- Presentation: Approach to a first seizure
 - Presentation: Medical comorbidities in epilepsy
- 2017
- 71st Annual American Epilepsy Society Meeting
- Presentation: Epilepsy or just getting old? Diagnostic challenges in elderly
- 2017
- 3rd Annual Alberta PROMs and EQ-5D Research and Support Unit (APERSU) Annual End-user meeting
- Presentation: EQ-5D scores in a large, hospital-based registry of epilepsy patients

- 2017 6th Annual Campus Alberta Neuroscience Symposium
- Presentation: Big data and advanced analytics in epilepsy
- 2017 Hotchkiss Brain Institute-Melbourne Epilepsy Symposium
- Presentation: Linked Electronic Medical Records as a Means of Studying the Epidemiology of Epilepsy
- 2017 20th Annual Western Epilepsy Workshop, Banff, AB, Canada
- Presentation: Some like it hot: a red (or scarlet) herring or a cause of seizures?
- 2016 7th Annual Calgary Epilepsy Symposium, Calgary, AB, Canada
- Presentation: Some like it hot: a red (or scarlet) herring or a cause of seizures?
- 2016 7th Annual Calgary Epilepsy Symposium, Calgary, AB, Canada
- Presentation: The best laid schemes of mice and men go oft awry: The perils of autoimmunity
- 2016 Canadian League Against Epilepsy Biennial Meeting, Quebec City, QC, Canada
- Moderator for the Statistics in Medicine course
 - Presentation: An approach to meta-analytic studies
- 2016 Hotchkiss Brain Institute Research Day, Calgary, AB, Canada
- Big data in epilepsy: can Goliath finally conquer David?
- 2015 Canadian Epilepsy Research Initiative, Toronto, ON, Canada

- Big data: can Goliath finally conquer David?

2010 Scottish Audit of Intracranial Vascular Malformations
10 year Celebration, Edinburgh, UK

- The risk of epileptic seizure after the diagnosis of a cavernous or arteriovenous malformations

2010 Annual Scottish Epilepsy Nurses Association (ESNA)
Meeting, Edinburgh, UK

- The risk of epileptic seizure and a clinical audit of patient care after the diagnosis of a cavernous or arteriovenous malformations

2007 Dalhousie University Department of Medicine Grand
Rounds, Halifax, NS, Canada

- Fits or Faints?

ii. Interviews

2022 Medscape Webcast Video Interview

- Association of Enzyme-Inducing Antiseizure Drug Use With Long-term Cardiovascular Disease

2021 American Academy of Neurology Neurology Minute

- Association of Enzyme-Inducing Antiseizure Drug Use With Long-term Cardiovascular Disease

2021 Medscape website interview

- Association of Enzyme-Inducing Antiseizure Drug Use With Long-term Cardiovascular Disease

2021 Reuters Health

- Association of Enzyme-Inducing Antiseizure Drug Use With Long-term Cardiovascular Disease

2021 MedPage Today

- Association of Enzyme-Inducing Antiseizure Drug Use With Long-term Cardiovascular Disease

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| 2019 | MD Edge <ul style="list-style-type: none"> • Routine clinical data may predict psychiatric adverse effects from levetiracetam |
| 2018 | Neurology Today <ul style="list-style-type: none"> • Causes, Mimics, and Pitfalls of Epilepsy in the Elderly |
| 2017 | Medscape Neurology <ul style="list-style-type: none"> • Epileptic Activity Discovered in Late-Onset Alzheimer's |
| 2017 | MedPage Today <ul style="list-style-type: none"> • The Effects of Mood and Anxiety Disorders in Patients with Epilepsy: Could undetected depression or anxiety be the reason achieving seizure control in patients with epilepsy can be so difficult? |
| 2017 | Reuters Health <ul style="list-style-type: none"> • Association of depression and treated depression with epilepsy and seizure outcomes: a multi-cohort analysis. |
| 2017 | MedPage Today <ul style="list-style-type: none"> • Association of depression and treated depression with epilepsy and seizure outcomes: a multi-cohort analysis. |

X. PUBLICATIONS/PRESENTATIONS

i. Peer-reviewed publications

1. von Brauchitsch S, Haslinger D, Lindlar S, Bernsen N, Zahnert F, Reif P, Balcik Y, Au PYB, Josephson C, Strzelczyk A, Knake S, Rosenow F, Chiocchetti A, and Klein KM. Epilepsy and intellectual disability in adults: Genetic architecture and implications for genetic testing. **Submitted to *the Journal of Neurology, Neurosurgery, and Psychiatry*.**

2. Fordyce CB, Kramer AH, Ainsworth C, Christenson J, Hunter G, Kromm J, Lopez Soto C, Scales DC, Sekhon M, van Diepen S, Dragoi L, Josephson C, Kutsogiannis J, Le May MR, Overgaard CB, Savard M, Schnell G, Wong GC, and Belley-Cote E. Neuroprognostication in the post cardiac arrest patient: A Canadian Cardiovascular Society Position Statement. **Submitted to the *Canadian Journal of Cardiology***
3. Gilmour GS, Salmon A, and Josephson CB. Functional Seizures in the Elderly: A Case Report and Review of the Literature. **Submitted to *Canadian Journal of Clinical Neurosciences***.
4. Vary-O'Neal V, Miranzadeh S, Husein N, Holroyd Leduc J, Sajobi T, Wiebe S, Deacon C, Tellez-Zentino J, Josephson CB, and Keezer MR. The association between frailty and antiseizure medication tolerability in older adults with epilepsy. **Submitted to *Neurology***
5. Josephson CB, Gonzalez-Izquierdo A, Engbers JDT, Denaxas S, Delgado-Garcia G, Sajobi TT, Wang M, Keezer MR, and Wiebe S. Late-onset epilepsy and risk of premature death: the complex role of comorbidities. **Submitted to *Epilepsia***.
6. Crooks R, Lu M, Pricop D, Subotic A, Rodrigues C, Cox E, Anghelescu B, Hamilton M, Martino D, Bruno V, Josephson CB, Patten SB, Smith EE, and Roach P. Patient Experiences of Virtual Care Across Specialist Neuroscience and Psychiatry Clinics Related to the Second Wave of the COVID-19 Pandemic in Calgary, Alberta. **Submitted to *Qualitative Health Research***.
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ii. Books, chapter

1. Delgado Garcia G and Josephson CB. Chapter 53: Psychogenic Non-Epileptic Seizures. In: Chapman and Rho (editors). 2023. *Pediatric Epilepsy Case Studies – from Infancy and Childhood through Adolescence* (Second Edition).
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5. Josephson CB and Al-Shahi Salman R. Chapter 9: Haemorrhage: new and recurrent. In: Rigamonti D, editor. 2011. *Cavernous Malformations of the Nervous System*. Cambridge: Cambridge University Press

iii. Presentations/abstracts

1. Arimoro OI, Josephson CB, Patten SB, Wiebe S, Lix LM, and Sajobi T. Tree-based Item-response theory model for evaluating differential item functioning in patient-reported outcomes. Submitted to the 2023 International Conference on Health Policy Statistics (ICHPS) meeting (Scottsdale, Arizona).
2. Jehi L, Jette N, Kwon C-S*, Josephson CB*, Burneo J, Cendes F, Sperling MR, Baxendale S, Busch RM, Triki CC, Cross JH, Ekstein D, Englot DJ, Luan G, Palmieri A, Rios L, Want X, Roessler K, Rydenhag B, Ramantani G, Schuele S, Wilmshurst JM, Wilson S, Wiebe S. Timing of Referral to Evaluate for Epilepsy Surgery: Consensus Recommendations from the Surgical Therapies Commission of the International League Against Epilepsy. Submitted to the American Epilepsy Society Meeting (Tennessee, USA) December 2022.
3. von Brauchitsch S, Haslinger D, Lindlar S, Bernsen N, Zahnert F, Reif P, Balcik Y, Au PYB, Josephson C, Strzelczyk A, Knake S, Rosenow F, Chiocchetti A, and Klein KM. Epilepsy and intellectual disability in adults: Genetic architecture and implications for genetic testing. Submitted to the American Epilepsy Society Meeting (Tennessee, USA) December 2022.
4. Delgado Garcia G, Engbers JDT, Mouches P, Amador K, Wiebe S, Forkert N, White JA, Sajobi TT, Klein KM, Josephson CB on behalf of the Calgary Comprehensive Epilepsy

Program Collaborators. Multisource machine learning can predict incident and persistent depression in adults with epilepsy: A pilot study. Submitted to the American Epilepsy Society Meeting (Tennessee, USA) December 2022.

5. Delgado Garcia G, Engbers JDT, Mouches P, Amador K, Wiebe S, Forkert N, White JA, Sajobi TT, Klein KM, Josephson CB on behalf of the Calgary Comprehensive Epilepsy Program Collaborators. Multisource machine learning can predict incident and persistent depression in adults with epilepsy: A pilot study. Submitted to the Canadian League Against Epilepsy Meeting (Kelowna, BC, Canada) September 2022.
6. Platte S, Guerini G, Josephson CB, RAISE-GENIC Consortium, Pandolfo M, Rosenow F, Kälviäinen F, Depondt C, Klein KM, Chiocchetti AG. Integration of genomic information and drug-transcriptome data predicts treatment response to valproate with high accuracy. Universitätsklinikum Frankfurt RMN2 Neuroscience Network Meeting (Frankfurt, Germany) XXXX 2022.
7. Josephson CB, Wiebe S, Gonzalez-Izquierdo A, Denaxas S, Sajobi TT, Lamidi M, Wang M, and Keezer MR. Enzyme-inducing antiseizure drug use is associated with long-term cardiovascular disease in a dose dependent fashion in adults with epilepsy. American Epilepsy Society Meeting (Chicago, USA) December 2021 (poster presentation).
8. Husein N, Langlois-Therrien, Rioux B, Josephson CB, Jette N, and Keezer MR. The treatment of epilepsy in older adults: a national survey. American Epilepsy Society Meeting (Chicago, USA) December 2021 (poster presentation).
9. Vary-O'Neal A, Mendo CW, Tamani I, Josephson CB, Steven DA, Burneo JG, and Keezer MR. Epilepsy surgery in adults older than 50 years: a systematic review and meta-analysis. American Epilepsy Society Meeting (Chicago, USA) December 2021 (poster presentation).
10. Josephson CB, Engbers JDT, Sajobi TT, and Wiebe S. Adult-onset epilepsy is defined by phenotypic clusters with unique comorbidities and risks of death. International Epilepsy Congress (Paris, France) August 2021 (platform presentation presented virtually due to COVID-19).
11. Roach P, Zwiers A, Cox E, Fischer K, Charlton A, Josephson CB, Patten SB, Seitz D, Ismail Z, and Smith EE. Supporting people living with dementia and care partners throughout the COVID-19 pandemic: health service directions from the first wave in Calgary, Alberta. Accepted for platform presentation at the 2021 Alzheimer's Association Meeting.
12. Subotic A, Pricop DF, Josephson CB, Patten SB, Smith EE, and Roach P. Examining the lived experiences and virtual care of patients with epilepsy during the COVID-19 pandemic. **Submitted to Virtual POR Institute 2020**

13. Pripcop DF, Subotic A, Rodrigues C, Patten SB, Josephson CB, Smith EE, and Roach P. Utilizing summary reports of clinical data to improve patient outcomes. **Submitted to Virtual POR Institute 2020**
14. Vary-O'Neal A, Miranzadeh S, Husein N, Holroyd Leduc J, Sajobi TT, Wiebe S, Deacon C, Tellez-Zentino J, Josephson CB, and Keezer MR. Frailty correlates with antiepileptic drug tolerability in older adults with epilepsy. American Epilepsy Society Meeting (Seattle, USA) December 2020 (poster presentation presented virtually due to COVID-19).
15. Hrabok M, Engbers JDT, Wiebe S, Sajobi TT, Subota A, Almohawes A, Federico P, Hanson A, Klein KM, Peedicail J, Pillay N, Singh S, and Josephson CB. Derivation of Prediction Models for Early and Late Mortality in Epilepsy that Include Modifiable Risk Factors Using Electronic Health Records. American Epilepsy Society Meeting (Seattle, USA) December 2020 (platform presentation presented virtually due to COVID-19).
16. Pripcop DF, Patten SB, Josephson CB, Smith EE, and Roach P. Accessing and applying clinical information for all: The use of patient "one-pagers" for the efficient dissemination of registry data for practical use by both physicians and patients. Hotchkiss Brain Institute Research Day (Calgary, AB, Canada) October 2020 (poster presentation presented virtually due to COVID-19).
17. Gilmour GS, MacIsaac R, Subotic A, and Josephson CB. Diagnostic accuracy of clinical signs and symptoms for psychogenic non-epileptic attacks versus epileptic seizures: A systematic review and meta-analysis. Calgary Comprehensive Epilepsy Program (CEP) Annual Research Retreat 2020 (Calgary, AB, Canada) October 2020 (poster presentation presented virtually due to COVID-19).
18. Rodrigues C, Wiebe S, and Josephson CB. CANadian Observational study of Epilepsy (CANOE). Calgary Comprehensive Epilepsy Program (CEP) Annual Research Retreat 2020 (Calgary, AB, Canada) October 2020 (platform presentation presented virtually due to COVID-19).
19. Husien N, Josephson CB, and Keezer M. Unforeseen consequences: understanding cardiovascular disease in older adults with epilepsy. North American Epilepsy Congress (Toronto, Canada) September 2020 (platform presentation presented virtually due to COVID-19).
20. Vary-O'Neill A, Miranzadeh S, Husien N, Holroyd Leduc J, Sajobi T, Wiebe S, Deacon C, Tellez-Zentino J, Josephson CB, and Keezer M. Frailty correlates with antiepileptic drug tolerability in older adults with epilepsy. North American Epilepsy Congress (Toronto, Canada) September 2020 (poster presentation presented virtually due to COVID-19).
21. Josephson CB, Engbers JDT, Wang M, Perera K, Roach P, Sajobi TT, and Wiebe S. Machine learning identifies clusters of unique patient reported outcome profiles in patients with

epilepsy. Accepted for poster presentation at the 2020 European Congress on Epileptology (conference cancelled due to COVID-19).

22. Pripkop DF, Roach P, Patten SB, Josephson CB, and Smith EE. Physician and patient “one-pagers”: A knowledge translation initiative to efficiently disseminate registry data for practical use in specialty clinics. Western Canadian Universities Big Data Health Conference (Vancouver, BC) 2020 (platform presentation).
23. Aminolroaya Z, Wiebe S, Josephson CB, and Maurer F. EPES: Seizure propagation analysis in an immersive environment. 2019 Interactive Surfaces and Spaces (ISS) Meeting.
24. Almohawes A, Peedicail J, Singh S, Josephson CB, Federico P, Agha-Khani Y, Hader W, Starrveld Y, Wiebe S, and Pillay N. Insular involvement in drug resistant focal epilepsy at a tertiary epilepsy surgery center. American Epilepsy Society Meeting (Baltimore, USA) December 2019 (poster presentation).
25. Perera KH, Khan S, Singh S, Kromm J, Sajobi T, Jette N, Wiebe S, and Josephson CB, and Maurer F. Electroencephalographic patterns and outcomes after hypoxic-ischaemic brain injury secondary to cardiac arrest: a systematic review and meta-analysis. American Epilepsy Society Meeting (Baltimore, USA) December 2019 (poster presentation).
26. Khan S, Lukmanji S, Subota A, Lee JYY, Josephson CB, Wang M, Wiebe S, Roach P, Federico P, Buchhalter J, Teskey GC, and Jette N. Clinical Features of the Postictal State in Adults with Epilepsy. American Epilepsy Society Meeting (Baltimore, USA) December 2019 (poster presentation).
27. Lukmanji S, Lukmanji A, Jetté N, Pham T, Sauro KM, Subota A, Atta C, Wiebe N, Wiebe S, Correa DJ, Moshé SL, and Josephson CB. The Incidence and Prevalence of Epilepsy after a Traumatic Brain Injury: An International Systematic Review. American Epilepsy Society Meeting (Baltimore, USA) December 2019 (poster presentation).
28. Subota A, Josephson CB, Keezer MR, McMillan J, Gonzalez-Izquierdo A, Jette N, and Holroyd-Leduc J. Frailty in Older Adults Living with Epilepsy- A Community-Based Study. Canadian Frailty Network Annual Meeting, (Toronto, ON, Canada) September 2019 (poster presentation).
29. Perera KH, Khan S, Singh S, Kromm J, Sajobi T, Jette N, Wiebe S, and Josephson CB, and Maurer F. Electroencephalographic patterns and outcomes after hypoxic-ischaemic brain injury secondary to cardiac arrest: a systematic review and meta-analysis. Calgary Comprehensive Research Day Retreat, Calgary, AB, Canada, May 2019 (platform presentation).
30. Aminolroaya Z, Wiebe S, Josephson CB, and Maurer F. Immersive technologies for analyzing epilepsy using intracranial EEG and structural MRI – An initial concept. Calgary

Comprehensive Research Day Retreat, Calgary, AB, Canada, May 2019 (platform presentation).

31. Khan S, Lukmanji S, Subota A, Josephson CB, Wang M, Roach P, Wiebe S, Buchhalter J, Federico P, Teskey GC, and Jette N. The Postictal State in Adults with Epilepsy – Clinical Features. Calgary Comprehensive Research Day Retreat, Calgary, AB, Canada, May 2019 (platform presentation).
32. Wahby S, Wang M, Sajobi T, Keezer M, Malmgren K, Tellez-Zentino J, Josephson CB, Girgis F, Singh S, Patten SB, Jette N, Hader W, Atkinson M, Lunney M, and Wiebe S. Assessing Satisfaction with Surgery: Preliminary Evidence of Validity and Reliability of the Epilepsy Surgery Satisfaction Questionnaire (ESSQ). American Epilepsy Society Meeting (New Orleans, USA) December 2018 (poster presentation).
33. Wang M, Wahby S, Sajobi T, Keezer M, Malmgren K, Tellez-Zentino J, Josephson CB, Girgis F, Singh S, Patten SB, Jette N, Hader W, Atkinson M, Lunney M, and Wiebe S. Validity and Reliability of a Single-item, Global Assessment of Satisfaction with Epilepsy Surgery. American Epilepsy Society Meeting (New Orleans, USA) December 2018 (poster presentation).
34. Josephson CB, Engbers JDT, Jette N, Patten SB, Singh S, Sajobi TT, Marshall D, and Wiebe S. Prediction tools for psychiatric adverse effects following levetiracetam prescription. American Epilepsy Society Meeting (New Orleans, USA) December 2018 (poster presentation).
35. Lukmanji S, Lukmaji A, Jette N, Pham T, Sauro K, Subota A, Atta C, Wiebe N, Wiebe S, Moshe S, Correa D, Josephson CB. The Incidence of Epilepsy after a Traumatic Brain Injury: An International Systematic Review. Leaders in Medicine Conference (Calgary, Canada) November 2018 (poster presentation).
36. Wahby S, Karnik V, Wiebe, S, and Josephson CB. Cannabis use and patient reported outcome measures in a prospective, tertiary-care cohort of patients with epilepsy. European Congress on Epileptology (Vienna, Austria) August 2018 (poster presentation).
37. Khan S, Subota A, Sudershan S, Jette N, Branch C, Lukmanji A, Wiebe S, and Josephson CB. Biomarkers in the postictal state: a systematic review and meta-analysis. European Congress on Epileptology (Vienna, Austria) August 2018 (poster presentation).
38. Wahby S, Karnik V, Sajobi TT, Wiebe S, Josephson CB. Cannabis use and patient reported outcome measures in a prospective, tertiary-care cohort of people with epilepsy. Calgary Comprehensive Research Day Retreat, Calgary, AB, Canada, March 2018 (platform presentation).

39. Sudershan S, Khan S, Subota A, Lukmanji A, Branch C, Roach P, Jette N, Wiebe S, Buchhalter J; Federico P, Teskey GC, and Josephson CB. Biomarkers in the postictal state: a systematic review and meta-analysis. Calgary Comprehensive Research Day Retreat, Calgary, AB, Canada, March 2018 (platform presentation).
40. Khan S, Subota A, Lukmanji S, Jette N, Roach P, Wiebe S, Buchhalter J, Federico P, Teskey GC, Josephson CB. A Systematic Review and Meta-Analysis of Signs and Symptoms of the Post-Ictal State in Epilepsy. Calgary Comprehensive Research Day Retreat, Calgary, AB, Canada, March 2018 (platform presentation).
41. Gelfand J, Lee J, Khan S, Crooks R, Josephson CB, Wiebe S, Patten S, Korngut L, Smith E, and Roach P. Patient perspectives regarding knowledge gaps and resources for epilepsy: A qualitative study. Calgary Comprehensive Research Day Retreat, Calgary, AB, Canada, March 2018 (platform presentation).
42. Sajobi TT, Menon BK, Josephson CB, Hill MD, Quan H, and Wiebe S. A comparison of cost sensitive machine learning classifiers for predicting rare outcomes. Western Canada Universities Big Data Health Conference, Banff, AB; September 2017 (poster presentation).
43. Lukmanji S, Sauro K, Josephson CB, Wiebe S, Nurse S, and Jette N. A Longitudinal Cohort Study on the Impact of the Clobazam Shortage on Patients with Epilepsy: A Patient Perspective. Canadian League Against Epilepsy Biennial Meeting, Vancouver, BC; October 2017 (poster presentation)
44. Lethbe GC, Josephson CB, Wiebe S, Lowerison MW, Lethbe BC, and Williamson T. Effect of admittance to the Seizure Monitoring Unit on aggregate healthcare resource utilization. Campus Alberta Students Conference on Health (CASCH; Banff, Canada) September 2017 (poster presentation)
45. Josephson CB, Gonzalez-Izquierdo A, Denaxas S, Fitzpatrick N, Sajobi T, Engbers J, Patten S, Jette N, and Wiebe S. Serotonin reuptake inhibitor use and mortality in epilepsy: findings from a contemporary linked electronic health records cohort study. International Epilepsy Congress (Barcelona, Spain) September 2017 (poster presentation)
46. Josephson CB, Gonzalez-Izquierdo A, Denaxas S, Fitzpatrick N, Sajobi T, Engbers J, Patten S, Jette N, and Wiebe S. Serotonin reuptake inhibitor use and mortality in epilepsy: findings from a contemporary linked electronic health records cohort study. Informatics for Health 2017, A Farr Institute scientific conference (Manchester, UK) April 2017 (platform presentation)
47. Lukmanji S, Sauro K, Josephson CB, Wiebe S, Nurse S, and Jette N. A Longitudinal Cohort Study on the Impact of the Clobazam Shortage on Patients with Epilepsy: A Patient

Perspective. Annual Calgary Epilepsy Program and the Hotchkiss Brain Institute Epilepsy Neuroteam Research Retreat (Calgary, Canada) March 2017 (platform presentation)

48. Josephson CB, Lowerison M, Vallenrand I, Sajobi TT, Patten S, Jette N, Wiebe S. A multi-cohort approach to establishing major depressive disorder as both an independent risk factor and modifier of the expression of epilepsy. European Epilepsy Congress (Prague, Czech Republic) September 2016 (platform presentation)
49. Josephson CB, Engbers JDT, Patten S, Lowerison M, Sajobi TT, Jette N, Wiebe S. Psychological adverse effects of levetiracetam compared to seven other common anti-epileptic drugs in adults with epilepsy in general practice; an updated analysis. European Epilepsy Congress (Prague, Czech Republic) September 2016 (poster presentation)
50. Fishman J, Cohen G, Josephson CB, Collier M, Bharatham S, Zhang Y, Wild I. Patient emotions and perceptions of antiepileptic drug changes and titration during treatment for epilepsy. American Academy of Neurology (Vancouver, Canada) April 2016 (poster presentation)
51. Ewert K, Engbers J, Sajobi T, Josephson CB, Jetté N, Wiebe S. Predicting mortality in epilepsy in general practice. American Epilepsy Society Meeting (Philadelphia, USA) December 2015 (poster presentation)
52. Lowerison MW, Engbers J, Sajobi T, Josephson CB, Jetté N, Wiebe S. Impact of exposure to neurological specialist care on mortality in epilepsy in a Canadian province population. American Epilepsy Society Meeting (Philadelphia, USA) December 2015 (poster presentation)
53. Engbers, J, Josephson CB, Lunney M, Lowerison M, Patten S, Jetté N, Wiebe S. Adverse psychological effects of Levetiracetam in adults with epilepsy in general practice. American Epilepsy Society Meeting (Philadelphia, USA) December 2015 (poster presentation)
54. Lunney M, Sauro, K, Atkinson M, Josephson CB, Girgis F, Singh S, Patten SB, Jetté N, Hader W, Wiebe S. Identification of themes relevant to patients' evaluation of their satisfaction with epilepsy surgery through focus group discussions. American Epilepsy Society Meeting (Philadelphia, USA) December 2015 (poster presentation)
55. Josephson CB, Sauro, K., Clement, F., Wiebe, S. and Jette N. Medical versus invasive therapy in AVM-related epilepsy: systematic review and meta-analysis. International Epilepsy Congress (Istanbul, Turkey) September 2015 (poster presentation)

56. Josephson CB, Engbers J, Jette N, Agha-Khani Y, Federico P, Hanson A, Murphy W, Pillay N, and Wiebe S. Epilepsy in the elderly: a distinct entity? American Epilepsy Society Annual Meeting (Seattle, USA) December 2014 (poster presentation)
57. Josephson CB, Engbers J, Jette N, Agha-Khani Y, Federico P, Hanson A, Murphy W, Pillay N, and Wiebe S. The clinical and psychosocial impact of the postictal state. American Epilepsy Society Annual Meeting (Seattle, USA) December 2014 (poster presentation)
58. Josephson CB, and Pillay N. A case of intractable focal epilepsy. Western Epilepsy Conference (Banff, Canada) February 2014 (platform presentation)
59. Josephson CB, and Jette N. A case of status epilepticus in the context of Angelman Syndrome. Mary Ann Lee Annual Meeting (Calgary, Canada) October 2013 (platform presentation)
60. Josephson CB, and Wiebe. A selective approach to a standard problem? Comparison of selective amygdalohippocampectomy and standard anterior temporal lobe resection. International League Against Epilepsy Meeting (Montreal, Canada) June 2013 (platform presentation)
61. Josephson CB, Dykeman J, Fiest KM, Liu X, Sadler RM, Jette N, and Wiebe S. Comparison of standard and selective temporal lobe surgery: systematic review and meta-analysis. American Epilepsy Society Annual Meeting (San Diego, USA), December 2012 (poster presentation)
62. Josephson CB, and Al-Shahi Salman R. The 30-day complication rate following brain arteriovenous malformation/aneurysm embolisation: prospective population-based study. 1st Annual World AVM Congress (Edinburgh, UK) September 2012 (platform presentation)
63. Josephson CB, Al-Shahi Salman R, Hall JM, Horne MA, Moultrie F, Bhattacharya JJ, Counsell CE, Murray GD, Papanastassiou V, Ritchie V, Roberts RC, Sellar RJ, Warlow CP. Untreated clinical course of cerebral cavernous malformations: a prospective, population-based cohort study. Atlantic Neurosciences Meeting (Halifax, Canada) May 2012 (platform presentation)
64. Josephson CB, Gubitza GG, and Philips SJ. A case of neurovascular syphilis. Canadian Stroke Course (Toronto, Canada) February 2012 (platform presentation)

65. Josephson CB, Bhattacharya JJ, Counsell CE, Papanastassiou V, Ritchie V, Roberts RC, Sellar R, Warlow CP, and Al-Shahi Salman R. Seizure outcomes after interventional or conservative management of brain arteriovenous malformations: prospective, population based cohort study. American Epilepsy Society Annual Meeting (Baltimore, USA) December 2011 (poster presentation)
66. Josephson CB, Leach JP, Duncan R, Roberts RC, Counsell CE, and Al-Shahi Salman R. The risk of epileptic seizure after the diagnosis of a cavernous or arteriovenous malformation. Dalhousie University Faculty of Medicine Research Day (Halifax, Canada) May 2011 (platform presentation)
67. Josephson CB, Leach JP, Duncan R, Roberts RC, Counsell CE, and Al-Shahi Salman R. The risk of epileptic seizure after the diagnosis of a cavernous or arteriovenous malformation. Dalhousie University Department of Medicine Research Day (Halifax, Canada) March 2011 (platform presentation)
68. Josephson CB, Leach JP, Duncan R, Roberts RC, Counsell CE, and Al-Shahi Salman R. The risk of epileptic seizure after the diagnosis of a cavernous malformation of the brain: prospective, population-based study. Angioma Alliance 6th Annual Pathobiology of CCM Scientific Workshop (Washington, USA) November 2010 (platform presentation)
69. Josephson CB, Frantziar J, and Al-Shahi Salman R. An audit of the management of epilepsy affecting adults with a cavernous or arteriovenous malformation of the brain. Annual Scottish Neurosciences Council and the Neurological Alliance of Scotland Meeting (Edinburgh, UK) September 2010 (poster presentation)
70. Josephson CB, Leach JP, Duncan R, Roberts RC, Counsell CE, and Al-Shahi Salman R. Seizure risk from cavernous or arteriovenous malformations: prospective population-based study. Royal College of Physicians and Surgeons (London) International Advisors Meeting (London, UK) June 2010 (poster presentation)
71. Josephson CB, Leach JP, Duncan R, Roberts RC, Counsell CE, and Al-Shahi Salman R. Seizure risk from cavernous or arteriovenous malformations: prospective population-based study. European Stroke Conference (Barcelona, Spain) May 2010 (platform presentation)
72. Josephson CB, Al-Azri S, Smyth DJ, Haase D, and Johnston BL. Mycobacterium bovis vertebral osteomyelitis, epidural abscess, and possible cerebral tuberculoma following intravesical BCG therapy. Canadian Neurological Sciences Federation Meeting (Halifax, Canada) June 2009 (poster presentation)

73. Josephson CB, Grant I, and Benstead T. Opsoclonus-myoclonus with multiple paraneoplastic syndromes and VGCC antibodies. Canadian Neurological Sciences Federation Meeting (Halifax, Canada) June 2009 (poster presentation)
74. Josephson CB, and Weaver D. Consciousness and the role of gamma-wave synchronicity in sensory binding. Julian Jaynes Conference on Consciousness (Charlottetown, Canada) August 2008 (platform presentation)
75. Josephson CB, Rahey S, and Sadler RM. Neurocardiogenic syncope: frequency and consequences of its misdiagnosis of epilepsy. Canadian Congress of Neurological Sciences (Montreal, Canada) June 2006 (platform presentation)
76. Josephson CB, Gubitza GG, and Phillips SJ. Pre-stroke functional status influences outcome in patients classified according to the OCSP subtype. Canadian Congress of Neurological Sciences (Montreal, Canada) June 2006 (platform presentation)
77. Josephson CB, Howlett JG, Jackson SD, Finley J, and Kells CM. Systemic Right Ventricular Dysfunction Post Atrial Switch for Isolated D-Transposition of the Great Arteries: The Impact of Beta-Blockade. Canadian Cardiovascular Congress (Calgary, Canada) October 2004 (poster presentation)
78. Josephson CB, and Orłowski J. Determination of Sites in the Na(+)/H(+) Exchanger Isoform 1 (NHE1) Involved in Ion Translocation. NHE Congress on Advances in Na-H Exchange Research: From Molecular Regulation to Therapeutic Advances (A satellite symposium of IUPHAR 2002) (London, Canada) July 2002 (poster presentation)

iv. Communications (including letters to editor)

1. Josephson CB, Keezer MR, and Wiebe S. Inducers and cardiovascular risk: potential role for lowered drug exposure – Reply. ***JAMA Neurology***. 2022; *In press*.
2. Josephson CB and Wiebe S. Premature Mortality in Epilepsy - A Reminder for the Untreated Millions-Reply. ***JAMA Neurology***. 2020; 77(4):525-526.