

Curriculum Vitae

Veronica Andrea Bruno, MD, MPH, FRCPC Neurology
Clinical Assistant Professor, Department of Clinical Neurosciences
University of Calgary, Cumming School of Medicine

Contact Information

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Place of birth: Buenos Aires, Argentina
Nationalities: Argentinian and Italian
Canada permanent resident

Education

Degrees

- 2015-2016 Master of Public Health (MPH). Harvard T.H Chan School of Public Health. Harvard University. Boston, Massachusetts, USA.
- 2001-2007 Doctor of Medicine (M.D.). University of Buenos Aires, School of Medicine, Buenos Aires, Argentina. Graduated with honours.

Clinical Training

- 2013-2015 Movement Disorders Clinical Fellowship. University of Toronto. Canada. Department of Neurology. Chief fellow 2014-2015
- 2008-2013 Neurology Residency. FLENI. Center of Neurological Investigations Raul Carrea. Buenos Aires, Argentina. Chief Resident 2012-2013

Research Training

- 2015-2016 Master of Public Health (MPH). Harvard T.H Chan School of Public Health. Harvard University. Boston, Massachusetts, USA.
- 2015- 2016 Graduate student intern. Co-investigator of the Bhutan Epilepsy Project. Massachusetts General Hospital Global Neurology Section. Principal Investigator: Dr. Farrah Mateen.

Leadership training

- 2020-2021 Selected participant International Parkinson and Movement Disorders Society LEAP program for young international leaders in Movement Disorders (4 participants per continent/year)
- 2015 Selected participant American Academy of Neurology (AAN) Women in leadership program

Licensure

- 2018-present Neurologist Specialist license, College of Physicians and Surgeons of Alberta (CPSA)
- 2013-2015 Postgraduate Education Certificate, College of Physicians and Surgeons of Ontario (CPSO)
- 2012-present Specialist certificate, Neurologist, Ministry of Health of Argentina

Board certification

- 2021-present Fellow of the Royal College of Physicians and Surgeons of Canada

Professional experience

Academic faculty positions

- July 2022-present Assistant Professor, University of Calgary
Neurologist, Movement Disorders Specialist, Alberta Health Services.
Hotchkiss Brain Institute Full Member
O'Brien Institute of Public Health Associate member
- 2018-June 2022 Clinical Assistant Professor, University of Calgary
Neurologist, Movement Disorders Specialist, Alberta Health Services.
Hotchkiss Brain Institute Full Member
O'Brien Institute of Public Health Associate member

Attending Neurologist Positions/ Clinical Service Responsibilities

- 2018-present Clinical Assistant Professor, University of Calgary
Neurologist, Movement Disorders Specialist, Alberta Health Services.
- Outpatient General Movement Disorders Clinic (4 half-days)
 - Deep Brain Stimulation Clinic (1 half-day)
 - Inpatient general Neurology consult service (6 weeks/year)

Honours and Awards

- 2020 International Leaders Program (LEAP) Participant, International Parkinson and Movement Disorder Society (MDS).

- 2015 Peggy Cahn Fund Fellowship. Harvard T.H. Chan School of Public Health.
- 2015 American Academy of Neurology (AAN) Women in Leadership program participant at the AAN annual meeting.
- 2015 American Academy of Neurology Annual Meeting Fellow Scholarship recipient.
- 2014 Argentine Presidential Fellowship in Science and Technology. Part of the U.S. State Department's "100.000 Strong in the Americas" initiative.
- 2007 Honor Diploma for Outstanding Students. University of Buenos Aires.
- 2006 Annual Award for Research Students. School of Medicine, University of Buenos Aires - Secretary of Science and Technology (UBACyT).
- 2005-2006 Young Researchers Award. University of Buenos Aires, School of Medicine, UBACyT. Project: Effect of LPS on activity rhythms and body temperature. Mechanisms of action and role of melatonin.
- 2004-2006 Scholarship for Outstanding Medical Students. Bunge y Born Foundation.

Professional Activities

Professional and Research Society Memberships

- 2019-present Canadian Movement Disorders Group
- 2018-present International Association for the Study of Pain (IASP)
- 2013-present International Parkinson and Movement Disorder Society (MDS)
- 2009-present American Academy of Neurology (AAN)

National/International Programs Committees

- 2021-2023 Member, International Education Committee, International Parkinson and Movement Disorders Society (MDS)
- 2021-2023 Member, Pan American Section Education Committee, International Parkinson and Movement Disorders Society (MDS)
- 2019-present Member, Evidence-Based Medicine Committee, International Parkinson and Movement Disorders Society (MDS)
- 2019 Member, Canadian Advisory Board on Progressive Supranuclear Palsy, Biogen.
- 2017-present Member, Parkinson Non-Motor Symptoms Task Force, International Parkinson and Movement Disorders Society (MDS). Pain Subgroup coordinator.

Institutional Committees

- 2019-present Member, Calgary Parkinson Research Initiative (CaPRI) Executive Committee, Hotchkiss Brain Institute, University of Calgary

- 2019-present Member, Course 5 Committee, Cummings School of Medicine, University of Calgary
- 2019-present Member and Academic Advisor, Neurology Residency Competence by Design (CBD) Committee, Department of Clinical Neurosciences, University of Calgary.
- 2019-present Member Division of Neurology Physician Wellness Group, Department of Clinical Neurosciences, University of Calgary
- 2019-present Member Division of Neurology Academic Advisory Group, Department of Clinical Neurosciences, University of Calgary

Conference Session Chair

- 2019 Session Co-chair: Hyperkinetic Movement Disorders, Pan-American Section, International Parkinson and Movement Disorder Society.

Editorial Responsibilities

Ad hoc Reviewer for Journals

- Neurology Clinical Practice
- Frontiers in Neurology (Movement Disorders Section)
- Frontiers in Pharmacology
- Movement Disorders Journal
- Movement Disorders Clinical Practice Journal
- The Canadian Journal of Neurological Sciences
- PLOS one
- Expert Opinion in Pharmacotherapy
- Expert Review of Neurotherapeutics
- Parkinson disease and Related Disorders

Teaching and Mentoring

Teaching/mentorship provided to others during own training

- 2013-2015 Chief of Fellows. Movement Disorders Centre, University of Toronto
- 2012-2013 Chief of Residents. Neurology, FLENI, Buenos Aires, Argentina
- 2008-2013 Neurology preceptor. University of Buenos Aires, School of Medicine.
- 2003-2008 Undergraduate Teaching Assistant of Human Physiology. University of Buenos Aires, School of Medicine.

Teaching (didactic, clinical)

- 2018-present Clinical Assistant Professor. University of Calgary, Cummings School of Medicine

- Teaching medical students and residents in clinic and inpatient neurology service; small group sessions preceptor; teaching of fellows.

Formal teaching

Medical Students

- 2022 An introduction to Hyperkinetic Movement Disorders, course 5, Cummings School of Medicine
- 2021 An introduction to Hyperkinetic Movement Disorders, course 5, Cummings School of Medicine
- 2020 Hyperkinetic Movement Disorders, course 5, Cummings School of Medicine
- 2019 Hyperkinetic Movement Disorders, course 5, Cummings School of Medicine

Neurology Residency Program Academic half-day or Workshop teaching

- 2021 Everything you need to know about Parkinson's disease
- 2019 Multiple Systems Atrophy
- 2019 NeuroJeopardy Movement Disorders
- 2019 Management of Non-Motor Symptoms in Parkinson's disease

Teaching in other PGME programs

- 2020 Atypical Parkinsonian Syndromes for Geriatric residents and fellows.
- 2019 Management of Parkinson's disease for Geriatrics residents and fellows.
- 2019 Management of Parkinson disease for Hospitalists (FMC)

Non-research mentorship

Neurology Residency Competence by Design (CBD) Committee Academic advisor

- 2020 Adriana Mititelu, Neurology Resident, University of Calgary
- 2019-present Erica McKenzie, Neurology Resident, University of Calgary

Bachelor of Health Sciences Mentorship Program

- 2021-present Jayda Cameron, Biomedical Sciences, First year
- 2021-present Jen Guo, Biomedical Sciences, Forth year
- 2021-present Mollie Markin, Biomedical Sciences, Third Year
- 2021-present MoonYoung Bae, Biomedical Sciences, First Year

Career Exploration Program in Undergraduate Medical Education

- 2020 Jeremy Moreau, Medical Student, University of Calgary

Research mentorship

Postgraduate Research supervision

- 2022-present Emma Woo, Neurology Resident, Department of Clinical Neurosciences, University of Calgary. Project: Effectiveness and safety of Incobotulinum Toxin A Injections for Sialorrhea Patients with Neurodegenerative Conditions in a Palliative Setting.
- 2021-present Cinthia Terroba Chambi, Post-Doctoral Fellow, University of Calgary (co-supervisor). Project: Development and validation of a Scale for Pain in Dystonia.
▪ *Recipient of the Denyse Lajoie-Lake fellowship 2019*
- 2020-present Erika McKenzie, Neurology Resident, Department of Clinical Neurosciences, University of Calgary. Project: Utilization in the year prior to death of acute care (hospital, emergency, intensive care unit), homecare, facility living, and palliative care resources for Albertans with Parkinson disease (P.D.), multiple system atrophy (MSA), progressive supranuclear palsy (PSP) and other neurodegenerative disorders.
▪ *Winner of the Gregory Cairncross Award for residents' research 2020.*
- 2020-present Dana Abo AlSamh, Neurology Resident, Department of Clinical Neurosciences, University of Calgary. Project: Non-motor symptoms in hereditary ataxias.
- 2020-present Jason Chan, Neurology Resident, Department of Clinical Neurosciences, University of Calgary. Project: Structural and functional basis for pain in Parkinson's disease.
- 2018-2020 Gabriela Gilmour, Neurology Resident, Department of Clinical Neurosciences, University of Calgary. Project: Predictors of deep brain stimulation outcome in patients with essential tremor.
- 2018-2020 Vikram Karnik, Neurology Resident, Department of Clinical Neurosciences, University of Calgary. Project: Treatment of pain in Parkinson's disease.
- 2015-2017 Alejandro Kohler, MD FLENI, Buenos Aires, Argentina. Director of the project: Association between neurological syndromes and arboviruses in Buenos Aires.
▪ *Winner of the Abraham Sonis Award from the Argentinian National Ministry of Public Health 2016.*
- 2016-2017 Federico Eberbach, MD FLENI, Buenos Aires, Argentina. Co-director of the project: Defining clinical and radiological features of nontraumatic convexal subarachnoid hemorrhage in Argentinean patients.
▪ *Winner of the American Academy of Neurology 2018 Scientific Research Award.*

Postgraduate examination

2020 External examiner. Assessment of Field of Study. Ph.D. candidate: Bria Mele
University of Calgary.

Undergraduate research mentorship

2022 Shivneil Singh, Health Sciences student, University of Calgary. Project: Pain in Tourette's syndrome.

2022 Waleed Khan, Neurosciences student, University of Calgary. Project: Pattern of cannabis use in Parkinson's disease.

2022 Taha Rafiq, Kinesiology student, University of Calgary. Project: exercise for pain in Parkinson's disease.

2022 Maria Tahir, Health Sciences student, University of Calgary. Project: The role of sex and gender in pain in Parkinson's disease.

2022 Connor Lang, Neurosciences student, University of Calgary. Project: Animal models to evaluate pain in Parkinson's disease.

2021-present Kinza Naser, Biomedical Sciences student in the BHSc program, University of Calgary. Summer student. Project: Women's sexual dysfunction in Parkinson's disease.

2021-present Areeb Siddiqui, Medical student, University of St Andrews, Scotland. Project: Pain in Atypical Parkinsonian Syndromes.

2021-present Misson Rahman, Biology student, University of Calgary. Project: Decision-making and non-motor symptoms of Parkinson's disease.

2020 Raluca Todoran, Health Sciences Student, University of Alberta. Summer student. Project: Antidepressants effects of pain in Parkinson's disease.

Presentations

Invited faculty at national/international courses and conferences

2021 Lecture: Parkinson's disease Non-Motor Symptoms and Treatment. MDS-PAS School for Young Neurologist in Spanish.. Pan American Section International Parkinson's disease and Movement Disorders Society (MDS).

2021 Grand Rounds: Challenging cases in Movement Disorders. FLENI, Buenos Aires, Argentina.

2021 Session: Palliation in Movement Disorders. Geriatrics Update: Clinical Pearls Course. Continuing Medical Education and Professional Development. Cumming School of Medicine, University of Calgary.

- 2020 Session: Palliative care in Movement Disorders. Possibilities and experiences. Neurological Association of Madrid, Spain.
- 2019 Session: Palliative care in Neurology at the Alberta Medical Association Neurology Section meeting, Banff, Alberta.
- 2018 Session: Palliative care in the neurosciences, at the Canadian Neurological Sciences Federation 53rd Congress, Halifax, Nova Scotia, Canada.
- 2018 Session: Update on Therapies for Movement Disorders. Presentation: Treatments for Parkinson's disease: Non-Motor Issues, at the second Pan American Parkinson's disease and Movement Disorders Congress in Miami, FL, USA.
- 2016 Lecture: Neuroepidemiology, at the 53rd Argentinian Congress of Neurology Mar del Plata, Buenos Aires, Argentina.
- 2016 Grand Rounds Invited Speaker: Palliative Care for Parkinsonism: Past, present and future. University of Calgary, Department of Clinical Neurosciences, Alberta, Canada (recruitment visit)
- 2015 Skills Workshop 4414: Palliative care for parkinsonian syndromes: a focus on non-motor issues, at the 19th International Congress of Parkinson's disease and Movement Disorders. San Diego, USA.
- 2015 Presentation: Unusual Movement Disorders, at the 67th American Academy of Neurology Annual Meeting, Washington DC, USA.
- 2014 Skills Workshop 4413: Palliative care for parkinsonian syndromes, at the 18th International Congress of Parkinson's disease and Movement Disorders. Stockholm, Sweden.
- Presentation of a case in the "Video Challenge" Session: Fragile X Syndrome in women, at the 18th International Congress of Parkinson's disease and Movement Disorders. Stockholm, Sweden.

Invited faculty for online courses/materials

- 2020 Webinar: Palliative care in Movement Disorders. Online. FLENI, Buenos Aires, Argentina.

Invited presentations at local courses/grand rounds

- 2020 Grand Rounds: Exciting times ahead for Atypical Parkinsonian Syndromes. University of Calgary, Department of Clinical Neurosciences, Alberta, Canada.
- 2020 Brain and Mental Health Neuro Team meetings, Hotchkiss Brain Institute. Presentation: Pain in Parkinson's disease.

- 2019 Grand Rounds: Management of Parkinson's disease, from early diagnosis to advanced therapies. University of Calgary, Department of Internal Medicine, Alberta, Canada.
- 2019 Journal Club: Palliative care in Neurology. Palliative care team. University of Calgary, Alberta, Canada.

Invited presentations for patients and lay groups

- 2021 Panelist of The Michael J. Fox Foundation's Third Thursday Webinar series
What Comes Next? Living with Parkinson's Years after Diagnosis
Live Event Date: July 15th, 2021
4,873 people watched live or on-demand
- 2020 Presentation: Pain in Parkinson's disease. Parkinson Association of Alberta.
November 4th, 2020, 2020
- 2020 Presentation: Botulinum Toxin uses in Parkinson's disease. Parkinson Association of Alberta. September 16th, 2020
- 2020 Presentation: Pain in dystonia. Dystonia Medical Research Foundation
Canada. July 21st, 2020

Research Funding

Ongoing research projects

- 2022-2024 **The Calgary Movement Disorders Palliative Care pilot program**
Role: Principal Investigator
Sponsor: Alberta Health (Palliative and End of Life Care grant)
Total funding: 500000 CAD
- 2020-2022 **Identifying the optimal animal model for the study of pain in Parkinson's disease**
Role: Principal investigator
Funding source: CaPRI/Movement Disorders Brain and Mental Health Team
Total funding: 75000 CAD
- 2021 **Apomorphine effect on pain in Parkinson's disease**
Role: Principal investigator – Investigator-initiated trial
Sponsor: Paladin Labs Inc.
Total funding: 65000 CAD
- 2020-2022 **Development and validation of an assessment tool for pain in cervical dystonia (cervical dystonia pain scale - CDPS).**
Role: Co-Principal Investigator (Collaboration with Dr. Davide Martino)
Sponsor: IPSEN Biopharmaceuticals Canada

- 2020-2022 Total funding: 40,000 CAD
Botulinum toxin A (Onabotulinumtoxin A) for foot dystonia-associated pain in Parkinson's disease. A randomized, double-blind placebo control study.
- 2021 **ICarePD: a feasibility controlled trial to investigate the addition of an Integrated Care Network to usual physician-centred care to address complex care needs in Parkinson disease**
 Role: Collaborator (P.I.: Mestre Tiago, Ottawa Hospital Research Institute)
 Funding source: CIHR
- 2019-present **Effect of pain on quality of life in Parkinson's disease. Association with motor and non-motor symptoms, and caregiver burden.**
 Funding source: Hotchkiss Brain Institute and Department of Clinical Neurosciences
 University of Calgary – Start-up grant
 Total funding: 100,000 CAD
 Role: Principal Investigator

Completed Research Support

- 2020-2022 **Understanding the Impact of the COVID-19 Pandemic on the Well-being and Care Provision for Patients at University of Calgary Brain and Mental Health Clinics**
 Role: Co-investigator (P.I.: Pamela Roach, University of Calgary)
 Sponsor: Cumming School of Medicine Clinical Research Fund (CRF) Rapid Response COVID-19 Funding Competition
 Total funding: 10,000 CAD
- 2018-2021 **Predictors of deep brain stimulation outcome in patients with essential tremor**
 Role: Principal Investigator
 Funding source: The Neuromodulation Research & Education fund, Alberta Health Services
 Total funding: 20,000 CAD
- 2015-2017 **Epidemiology of Parkinson's disease in Argentina**
 Role: Principal Investigator
 Funding source: CONICET (National Scientific and Technical Research Council), Argentina.
 Total funding: 15,000 CAD equivalent in Argentinian pesos
- 2013-2015 **Botulinum Toxin for the treatment of pain in advanced Parkinson's disease**
 Role: Principal Investigator (Clinical research fellowship)
 Funding source: American Academy of Neurology, American Brain Foundation and Allergan Foundation.
 Total funding: 100,000 USD

Publications

Peer-Reviewed Manuscripts

* indicates authors contributed equally to the manuscript

1. **Bruno V**, Ruiz-Lopez M, , Terroba-Chambi C, Freitas Maria E4, Rajalingam R, Chang A, Fox SH and Lang AE. REM Sleep Behaviour Disorder in Parkinson's disease. A survey based study. *Can J Neurol Sci*. Accepted. In press.
2. Alessandro L, Castiglione JI, Brand P, **Bruno V**, Barroso F. Treatment-related fluctuations in Guillain-Barré syndrome: clinical features and predictors of recurrence. *Arq Neuropsiquiatr*. 2022 May;80 (5):516-522.
3. Gilmour GS, Martino D, Hunka K, Lawrence P, Kiss ZHT, **Bruno V**. Response to Thalamic Ventralis Intermedius Nucleus Deep Brain Stimulation in Essential Tremor vs. Essential Tremor-Plus. *Front Neurol*. 2021 Nov 29;12:790027.
4. Anghelescu BA, Todoran R, Terroba-Chambi C, **Bruno V**. Antidepressants Effects on Pain in Parkinson Disease: A Systematic Review. *Clin Neuropharmacol*. 2021 Nov-Dec 01;44(6):210-215.
5. Rukavina K, Batzu L, Boogers A, Abundes-Corona A, **Bruno V**, Chaudhuri KR. Non-motor complications in late stage Parkinson's disease: recognition, management and unmet needs. *Expert Rev Neurother*. 2021 Mar;21(3):335-352.
6. Hostettler IC, Wilson D, Fiebelkorn CA, Aum D, Ameriso SF, Eberbach F, Beitzke M, Kleinig T, Phan T, Marchina S, Schneckenburger R, Carmona-Iragui M, Charidimou A, Mourand I, Parreira S, Ambler G, Jäger HR, Singhal S, Ly J, Ma H, Touzé E, Geraldes R, Fonseca AC, Melo T, Labauge P, Lefèvre PH, Viswanathan A, Greenberg SM, Fortea J, Apoil M, Boulanger M, Viader F, Kumar S, Srikanth V, Khurram A, Fazekas F, **Bruno V**, Zipfel GJ, Refai D, Rabinstein A, Graff-Radford J, Werring DJ. Risk of intracranial haemorrhage and ischaemic stroke after convexity subarachnoid haemorrhage in cerebral amyloid angiopathy: international individual patient data pooled analysis. *J Neurol*. 2021 Jul 17.
7. Anghelescu BA, **Bruno V**, Martino D, Roach P. Effects of the COVID-19 Pandemic on Parkinson's Disease: a Single-Centered Qualitative Study. *Can J Neurol Sci*. 2021 Apr 12:1-13.
8. Kiss ZHT, **Bruno V**. (2020). Letter to editor in response to De vloo et al.: Open fracture of DBS leads with normal electrical impedance. *Brain Stimulation*, Volume 13, Issue 6, 2020, 1687-1688.
9. Terroba-Chambi C, **Bruno V**, Vigo DE, Merello M. (2020). Heart rate variability and falls in Huntington's disease. *Clin Auton Res*. Feb 6. doi: 10.1007/s10286-020-00669-2. Epub ahead of print. PMID: 32026136.
10. Karnik V, Farcy N, Zamorano C, **Bruno V**. (2020). Current status of pain management in Parkinson's disease. *Can J Neurol Sci*. May;47(3):336-343.
11. Martino D, Rockel CP, **Bruno V**, Mazerolle EL, Jetha S, Pichardo S, Pike GB, Kiss ZHT. (2019). Dystonia following thalamic neurosurgery: A single centre experience with MR-guided focused ultrasound thalamotomy. *Parkinsonism Relat Disord*. Nov 26;71:1-3.
12. **Bruno V**, de Freitas MET. (2019). Streamlining the management of Parkinson disease in Canada. *CMAJ*. Sep 9;191(36):E979-E980.

13. Terroba-Chambi C, **Bruno V**, Millar-Verneti P, Bruce D, Brockman S, Merello M, Starkstein S. (2019). Design and validation of a new instrument to assess fear of falling in Parkinson's disease. *Mov Disord*. Oct;34(10):1496-1504.
14. Medina Escobar A, **Bruno V**, Sarna JR. (2019). Second-Generation Antisense Nucleotide Targeting Huntingtin Expression Found to Be Safe in Patients With Huntington's Disease. *Mov Disord Clin Pract*. July 3rd;6(6):434-435.
15. Cothros N, Medina A, **Bruno V**. (2019). Intermittent Intraputamenal Glial Cell Line-Derived Neurotrophic Factor in Parkinson's Disease: Seeking the Path to Neurorestoration. *Mov Disord Clin Pract*. Apr 1;6(4):280-281.
16. Wilken M, **Bruno V**, Rossi M, Ameghino L, Deuschl G, Merello M. (2019). Sensitivity and specificity of different hand positions to assess upper limb rest tremor. *Mov Disord*. Apr; 34(4):575-579.
17. **Bruno V**, Mancini D, Zurowski M, Miyasaki JM. (2018). Reader response: Demoralization in Parkinson disease. *Neurology*. 2018 Nov 27;91(22):1029.
18. Ameghino L*, **Bruno V***, Merello M. (2018) Postural Disorders and antiparkinsonian treatments in Parkinson's disease: an exploratory case-control study. *Clinical Neuropharmacology*. 2018 Jul/Aug;41(4):123-128.
19. Rossi M, **Bruno V**, Arena J, Cammarota A, Merello M. (2018) Challenges in P.D. patient management after DBS. *Movement Disorders Clinical Practice*. Volume 5, Issue 3. May/June 2018. 246-254
20. Wibecam L, Gunter F, Tschering L, **Bruno V**, Deki S, Nirola D, Dorji C, Bryan Patenaude B, Mateen F. (2018) Economic Burden of Epilepsy in Bhutan. *Tropical Medicine and International Health*. Apr;23(4):342-358.
21. Terroba Chambi C*, **Bruno V***, Medina Escobar A, Nanni F, Cerquetti D, Rossi M, Merello M. (2018) Open access electronic diary for motor fluctuation and dyskinesia evaluation in Parkinson's disease: comparison with paper diary. *Clinical Neuropharmacology*. Jan/Feb;41(1):20-22.
22. **Bruno V**, Freitas ME, Mancini D, Liu J, Miyasaki J, Fox S. (2017) Botulinum toxin type A for pain in advanced Parkinson's disease. *Can J Neurol Sci*. Jan;45(1):23-29.
23. **Bruno V**, Arena J (2017). Perinatal risk factors in Tourette's and chronic tic disorders: A lesson from epidemiology. *Movement Disorders Clinical Practice*. Volume 4, Issue 5. September/October.669-670
24. **Bruno V**, Klein J, Nidup D, Nirola D, Tshering L, Deki S, Clark S, Linn K, Shinohara RT, Dorji C, Ram D, Dema U, Mateen, F. (2017) Yield of brain MRI in clinically diagnosed epilepsy in the Kingdom of Bhutan: A prospective study. *Annals of Global Health*. Aug;83(3-4):415-422.
25. Cho SS, Strafella AP, Duff-Canning S, Zurowski M, Vijverman AC, **Bruno V**, Aquino CC, Criaud M, Rusjan PM, Houle S, Fox SH. (2017) The Relationship Between Serotonin-2A Receptor and Cognitive Functions in Nondemented Parkinson's Disease Patients with Visual Hallucinations. *MovDisordClinPract*.23;4(5):698-709.
26. Alessandro L, Pastor Rueda J, Vilalinga J, **Bruno V**, Carpani F, Blaquier J, Tognarello S, Varela F, Muggeri A. (2017) Retrospective study of 48 cases of primary central nervous system lymphoma. *Medicina*.77(1):17-23.
27. Slezak D, Dorr F, Varela F, Alessadro L, **Bruno V**, Farez M. (2016) Artificial intelligence and Neurology: The lurking revolution. A position paper. *Neurología Argentina*. doi: 10.1016/j.neuarg.2016.12.002.

28. Brizzi K, Pelden S, Tshokey T, Nirola D, Diamond MB, Klein JP, Tshering L, Deki S, Nidup D, **Bruno V**, Dorny P, Garcia HH, Mateen F.J.; Bhutan Epilepsy Project. (2016) Neurocysticercosis in Bhutan: a cross-sectional study in people with epilepsy. *Trans R Soc Trop Med Hyg.* Sep;110(9):517-526.
29. **Bruno V**, Mancini D, Fox S, Miyasaki J. (2016) Botulinum Toxin Use in Refractory Pain and Other Symptoms in Parkinsonism. *Can J Neurol Sci.* Sep;43(5):697-702.
30. **Bruno V**. (2016) Introduction to Global Neurology. *Neurología Argentina.*, 8 pp. 227-228.
31. Munhoz RP, Picillo M, Fox SH, **Bruno V**, Panisset M, Honey CR, Fasano A. (2016) Eligibility Criteria for Deep Brain Stimulation in Parkinson's Disease, Tremor, and Dystonia. *Can J Neurol Sci.* May 3:1.
32. Geroín C, Gandolfi M, **Bruno V**, Smania N, Tinazzi M. (2016) Integrated approach for pain management in Parkinson Disease. *Current Neurology and Neuroscience Reports.* Apr;16(4):28.
33. **Bruno V**, Mancini R, Arshinoff R, Goche R, Miyasaki J. (2016) Prevalence of physical and sexual aggression to caregivers in advanced Parkinson's disease and response to intervention in the palliative care clinic. *Parkinsonism and Related Disorders.* Sep;43(5):697-702
34. Sammartino F, Krishna V, King NK, **Bruno V**, Kalia S, Hodaie M, Marras C, Lozano AM, Fasano A. (2016) Sequence of electrode implantation and outcome of deep brain stimulation for Parkinson's disease. *J Neurol Neurosurg Psychiatry.* Aug;87(8):859-63.
35. Hawkes MA, Wilken M, **Bruno V**, Pujol-Lereis V, Povedano G, Saccoliti M, Taratuto A, Ameriso SF. (2015) Cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL) in Argentina. *Arq Neuropsiquiatr.* Sep;73(9):751-4.
36. Starkstein S, Dragovic M, Brockman S, Wilson M, **Bruno V**, Merello M. (2015). The Impact of Emotional Distress on Motor Blocks and Festination in Parkinson's disease. *The Journal of Neuropsychiatry & Clinical Neurosciences*, 27(2): 121-6.
37. **Bruno V**, Fox S. (2014). Tremor predominant FXTAS in a woman. *Movement Disorders Clinical Practice*, 2 (1): 45-46.
38. González-Otárula K, **Bruno V**, Pujol-Lereis V, Ameriso SF. (2014). Cerebral varicella-zoster vasculopathy sine herpette: Atypical Ramsay-Hunt syndrome in an immunocompetent patient. *Neurology Clinical Practice*, 4:260-262.
39. **Bruno V**, Pujol-Lereis V, Hawkes M, Ameriso SF. (2013). Nontraumatic subarachnoid hemorrhage of the convexity. *Current Neurology and Neuroscience Reports*, 13(4): 338.
40. Gonzalez Otarula K, Arena J, **Bruno V**, Chaves H, Cammarota A. (2013). Lance-Adams syndrome secondary to cardiorespiratory arrest. *Neurologia Argentina*, 5(1): 44–46.
41. Calandri I, Arena J, **Bruno V**, Cammarota A. (2013). Primary meningeal melanomatosis. *Neurologia Argentina*, 5(3): 219–220.
42. **Bruno V**, Hawkes M, Brand P, Yampolsky B, Cammarota A. (2012). Ocular Myositis in a Patient with Crohn Disease and Autoimmune Thyroid Disease. *Neuro-Ophthalmology*, 36(3): 100.
43. **Bruno V**, Fernández Suarez M, Meli F, Ameriso SF. (2012). Abnormalities in brain MRI in a patient with amyotrophic lateral sclerosis. *Neurologia Argentina*, 4(3): 169-171.
44. Merello M, Cavanagh S, Pérez-Lloret A, Roldan E, **Bruno V**, Tenca E, Leiguarda R. (2009). Irritability, psychomotor agitation and progressive insomnia induced by bilateral stimulation of the

area surrounding the dorsal subthalamic nucleus (zona incerta) in Parkinson's disease patients. *Journal of Neurology*, 256(12): 2091-2093.

45. Merello M, Tenca E, Pérez Lloret S, Martín ME, **Bruno V**, Cavanagh S, Antico J, Cerquetti D, Leiguarda R. (2008). Prospective randomized 1-year follow-up comparison of bilateral subthalamotomy versus bilateral subthalamic stimulation and the combination of both in Parkinson's disease patients: a pilot study. *British Journal of Neurosurgery*, 22(3): 415-422.
46. Kauffman MA, González Morón D, **Bruno V**. (2007). Re: How accurate are bedside hearing tests? *Neurology*, 69(13): 1382.
47. **Bruno V**, Scacchi PA, Pérez-Lloret S, Esquifino A, Cardinali DP, Cutrera RA. (2006). Melatonin treatment counteracts the hyperthermic effect of lipopolysaccharide injection in the Syrian hamster. *Neuroscience Letters*, 389(3): 169-72.

Critical and Bibliographic Comments

1. **Bruno V**, Mancini D, Zurowski M, Miyasaki J. (2018) Demoralization in Parkinson's disease patients. *Neurology. Disputes & Debates: Rapid online correspondence*.
2. **Bruno V**. (2012). Premotor Parkinson's disease. Concepts and definitions. *Neurologia Argentina*, 4(3): 180–181.
3. **Bruno V**. (2011). Reducing the pre-hospital delay in stroke. *Neurologia Argentina*, 3(2): 143-144.
4. **Bruno V**. (2010). Ten years of prevention of stroke from carotid origin. Comments on ACST. *Neurologia Argentina*, 2(4): 272.
5. **Bruno V**. (2010). Hemorrhagic manifestations of reversible cerebral vasoconstriction. *Neurologia Argentina*, 2(4): 275.

Book Chapters

1. Handbook of Neurology. Neuropalliative care part 1. Chapter: **What Neurologists wish palliative care doctors knew. In press**
2. Parkinson. An essential guide for patients, relatives and caregivers. Iberoamerican Society of Scientific Information. Buenos Aires, Argentina. 2017.

Chapters:

- a. Constipation and Excessive Drooling
- b. Pain: Practical advice
- c. The Caregiver Burden

Poster presentations

- 2021 **58th Argentine Congress of Neurology, Mar del Plata, Buenos Aires, Argentina.**
Gender and leadership positions in Neurology. Bruera GM, Ysraelit MD, Negrotto L, Bruno V, Fernandez MC, Garcia MC, Azcona C, Justich B, Rodriguez S, Gomez Schneider M, Romano M, Ibarra V, Miguez J, Gaitan MI.

- 2019 **71st American Academy of Neurology Annual Meeting, Philadelphia, PA.**
 Association between neurological syndromes and Arbovirus in Buenos Aires -
 Relationship between Guillain Barre Syndrome, Encephalitis and Myelitis with Zika,
 Dengue and Chikungunya. Köhler AA, Farez M, Heck E, Barroso F, Bruno V.
- 2018 **23rd International Congress of Parkinson's disease and Movement Disorders in San Diego, USA.**
 Natural history of RBD in Parkinson's disease and response to dopaminergic and non-
 dopaminergic antiparkinsonian treatment. M. Ruiz-Lopez, V. Bruno, ME. Freitas, R.
 Rajalingam, A. Chang, S. Fox, A. Lang.
- 2018 **70th Annual Meeting of the American Academy of Neurology, Los Angeles, California USA**
Defining clinical and radiological features of nontraumatic convexal subarachnoid hemorrhage in a cohort of 60 Argentinean patients. Eberbach F, Bruno V, Ameriso S.
- 2018 **2nd Pan American Parkinson's Disease and Movement Disorders Congress MIAMI, FLORIDA, USA**
 Design and Validation of a New Instrument to Assess Fear of Falls in Parkinson's Disease
 Cinthia Terroba C, Bruno V, Millar-Verneti P, Brockman S, Merello M, Starkstein S.
 Fear of Falling in Huntington's Disease Terroba C, Bruno V, Rossi M, Merello M.
 Clinical Criteria of Awake Bruxism in Adults. Andrada M, Wilken M, Bruno V, Fiorentini
 L, Stolbizer F, Rossi M, Merello M.
 Clinical Correlates of Awake Bruxism. Wilken M, Andrada M, Bruno V, Fiorentini L,
 Stolbizer F, Rossi M, Merello M.
- 2017 **69th Annual Meeting of the American Academy of Neurology, Boston, Massachusetts, USA**
 Adult Onset Opsoclonus Myoclonus Ataxia Syndrome. Kohler A, Bruno V, Marrodan M,
 Alessandro L, Laffue A.
 Thunderclap headache with no neurological deficit: Clinical differences between Primary
 and Secondary Causes. Millar Verneti P, Alessandro L, Marrodan M, Marone A, Kohler
 A, Bruno V, Goicochea M, Bonamico L.
53rd Argentine Congress of Neurology, Mar del Plata, Buenos Aires, Argentina.
 Prevalence and characterization of OSA. Farcy N, Zamorano C, Berrozpe E, Leiva S,
 Podestá C, Farez M, Bruno V.
 Prevalence and epidemiology of Periodic Limb Movements during sleep. Zamorano C,
 Farcy N, Berrozpe E, Leiva S, Podestá C, Farez M, Bruno V.
 Dopamine agonist and postural disorders in Parkinson's disease. Ameghino L, Bruno V,
 Merello M.
 OSA during REM: prevalence and clinical features. Berrozpe E, Bruno V, Farcy N,
 Zamorano C, Silva S, Podesta C

- Final validation of an electronic diary for evaluation of motor fluctuations and dyskinesia in Parkinson's disease. Terroba C, Medina A, Nanni , Bruno V, Cerquetti D, Rossi M, Merello M.
- 2017 **21st International Congress of Parkinson's disease and Movement Disorders in San Diego, USA.**
 A double blind, randomized, placebo-controlled study of botulinum toxin type A for limb pain in advanced Parkinson's disease. Bruno V, Freitas M, Mancini D, Lui J, Miyasaki J, Fox S.
 Dopamine agonists and postural disorders in Parkinson's disease. Ameghino L, Bruno V, Merello M.
Final validation of an electronic diary for motor fluctuations and dyskinesias evaluation in P.D. patients: Comparison with paperback diary. Terroba C, Medina A, Nanni F, Bruno V, Cerquetti D, Rossi M, Merello M.
- 2016 **68th Annual Meeting of the American Academy of Neurology, Vancouver, British Columbia, Canada.**
 Range of Structural Brain Abnormalities on MRI among people with epilepsy in Bhutan. Bruno V, Klein J, Wong J, Nirola D, Deki S, Tshering L, Cole A, Clark S, Nidup D, Mateen F.
- 2015 **19th International Congress of Parkinson's Disease and Movement Disorders in San Diego, USA.**
 Sequence of Electrode Implantation and Outcome of Deep Brain Stimulation for Parkinson's disease. Sammartino F, Krishna V, Kon Kam King N, Bruno V, Kalia S, Hodaie M, Marras C, Lozano AM, Fasano A.
- 2014 **66th Annual Meeting of the American Academy of Neurology, Philadelphia, Pennsylvania, USA.**
 Cerebral Autosomal Dominant Arteriopathy with Subcortical Infarcts and Leukoencephalopathy (CADASIL) in Argentina. Hawkes M, Wilken M, Bruno V, Pujol-Lereis V, Povedano G, Lubieniecki F, Taratuto A, Ameriso SF.
 Cerebral Varicella Zoster Vasculopathy Sine Herpete: Atypical Ramsay-Hunt Syndrome Presentation in an Immunocompetent Patient. González Otárula K, Bruno V, Pujol-Lereis V, and Ameriso SF.
- 2013 **50th Argentine Congress of Neurology, Mar del Plata, Buenos Aires, Argentina.**
 Foundations, implementation and initial results of the cerebrovascular unit. Pujol-Lereis VA, Rodríguez Lucci F, Bruno V, Arena J, Rodríguez EE, Herrera Paz JJ, Elizari MA, Ameriso SF.
- 2012 **64th Annual Meeting American Academy of Neurology, San Diego, California, USA.**
 Medication Overuse Headache: In-Patient Drug Withdrawal. Experience of a Derivation Centre in Argentina. Bruno V, Negrotto L, Arena J, González Otárula K, Goicochea MT, Bonamico L, Leston J.

- 2011 **63rd Annual Meeting American Academy of Neurology, Honolulu, Hawaii.**
Non-Traumatic Subarachnoid Hemorrhage of the Convexity. Bruno V, Brand P, Moschini J, Ameriso SF.
- 2011 **48th Argentine Congress of Neurology, Mar del Plata, Buenos Aires, Argentina.**
Headache due to medication abuse. Evolution after treatment in hospital. Bruno V, Negrotto L, Arena J, González Otárula K, Goicochea MT, Bonamico L, Leston J.
Atrial fibrillation and cerebral infarction in anticoagulated patients. Pujol-Lereis VA, Ameriso S, Fernández Suarez M, Bruno V, Povedano GP, Ameriso SF.
Atypical presentation of Graves' orbitopathy in a patient with hypothyroidism and Crohn's disease. Hawkes M, Bruno V, Brand P, Fernández Suárez M, Yampolsky B, Cammarota A.
Extrapyramidal signs in patients with primary progressive aphasia. Rossi M, Bruno V, Calandri I, Ballesteros D, Merello M.
- 2010 **47th Argentine Congress of Neurology, Mar del Plata, Buenos Aires, Argentina.**
Subarachnoid hemorrhage of the convexity. Bruno V, Brand Patricio, Ameriso SF, Moschini J.
- 2009 **46th Argentine Congress of Neurology, Mar del Plata, Buenos Aires, Argentina.**
Guillain Barre syndrome and central nervous system vasculitis associated with ulcerative colitis. Bruno V, Fernández Suarez M, Brand P, de la Fuente M, Moschini J, Arakaki N, Cammarota A.
- 2007 **44th Argentine Congress of Neurology, Mar del Plata, Buenos Aires, Argentina.**
Bilateral subthalamic stimulation in Parkinson's disease: long-term effect. Bruno V, Cavanagh S, Pérez Lloret S, Merello M.
- 2006 **The Movement Disorder's Society 10th International Congress of Parkinson's disease and Movement Disorders. Kyoto, Japan.**
Prospective randomized comparison of bilateral subthalamotomy versus bilateral subthalamic stimulation and the combination of both in Parkinson's disease patients: One year follow up. Merello M, Tenca E, Pérez-Lloret S, Martin M, Bruno V, Antico J, Leiguarda R.
Irritability, psychomotor agitation and progressive insomnia induced by bilateral dorsal subthalamic nucleus area (zona incerta) deep brain stimulation in Parkinson's disease patients. Cavanagh S, Pérez-Lloret S, Roldan-Gerschovich E, Bruno V, Tenca E, Leiguarda R, Merello M.

Academic Career Interruptions or Gaps

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| September 2018- February 2019 | Maternity leave |
| December 2020-August 2021 | Maternity leave |