

Ontario Stroke Registry Publications

1. Cerasuolo JO, Mandzia J, Cipriano LE, Kapral MK, Fang J, Hachinski V, Sposato LA. **Intravenous thrombolysis after first-ever ischemic stroke and reduced incident dementia rate.** *Stroke.* 2022; 53(4):1170-7. Epub 2021 Dec 30. DOI: <https://doi.org/10.1161/STROKEAHA.121.034969>.
2. Rawal S, Rinkel GJE, Fang J, Washington CW, Macdonald RL, Victor JC, Krings T, Kapral MK, Laupacis A. **External validation and modification of nationwide inpatient sample subarachnoid hemorrhage severity score.** *Neurosurgery.* 2021; 89(4):591-6. Epub 2021 Sep 15. DOI: <https://doi.org/10.1093/neuros/hyab237>.
3. Kapral MK, Kurdyak P, Casaubon LK, Fang J, Porter J, Sheehan KA. **Stroke care and case fatality in people with and without schizophrenia: a retrospective cohort study.** *BMJ Open.* 2021; 11(6):e044766. Epub 2021 Jun 10. DOI: <https://doi.org/10.1136/bmjopen-2020-044766>.
4. Vyas MV, Austin PC, Fang J, Laupacis A, Silver FL, Kapral MK. **Immigration status, ethnicity, and long-term outcomes following ischemic stroke.** *Neurology.* 2021; 96(8):e1145-55. Epub 2021 Feb 22. DOI: <https://doi.org/10.1212/WNL.00000000000011451>.
5. Joundi RA, Saposnik G, Martino R, Fang J, Kapral MK. **Development and validation of a prognostic tool for direct enteral tube insertion after acute stroke.** *Stroke.* 2020; 51(6):1720-6. Epub 2020 May 13. DOI: <https://doi.org/10.1161/STROKEAHA.120.028949>.
6. Vyas MV, Laupacis A, Austin PC, Fang J, Silver FL, Kapral MK. **Association between immigration status and acute stroke care: a retrospective study.** *Stroke.* 2020; 51(5):1555-62. Epub 2020 Apr 13. DOI: <https://doi.org/10.1161/STROKEAHA.119.027791>
7. Yu AYX, Austin PC, Rashid M, Fang J, Porter J, Hill MD, Kapral MK. **Deriving a passive surveillance stroke severity indicator from routinely collected administrative data: the PaSSV Indicator.** *Circ Cardiovasc Qual Outcomes.* 2020; 13(2):e006269. Epub 2020 Feb 14. DOI: <https://doi.org/10.1161/CIRCOUTCOMES.119.006269>
8. Yu AYX, MacLagan LC, Diona C, Austin PC, Kapral MK, Swartz RH, Bronskill SE. **Sex differences in care need and survival in patients admitted to nursing home poststroke.** *Can J Neurol Sci.* 2020; Jan 28 [Epub ahead of print]. DOI: <https://doi.org/10.1017/cjn.2019.335>
9. Sposato LA, Lam M, Allen B, Shariff SZ, Saposnik G; PARADISE Study Group. **First-ever ischemic stroke and incident major adverse cardiovascular events in 93 627 older women and men.** *Stroke.* 2020; 51(2):387-94. Epub 2020 Jan 9. DOI: <https://doi.org/10.1161/STROKEAHA.119.028066>
10. Hall RE, Porter J, Quan H, Reeves MJ. **Developing an adapted Charlson comorbidity index for ischemic stroke outcome studies.** *BMC Health Serv Res.* 2019; 19(1):930. Epub 2019 Dec 3. DOI: <https://doi.org/10.1186/s12913-019-4720-y>
11. Yu AYX, Kapral MK. **Response by Yu and Kapral to letter regarding article, "One-year home-time and mortality after thrombolysis compared with nontreated patients in a propensity-matched analysis".** *Stroke.* 2020; 51(1):e18. Epub 2019 Nov 27. DOI: <https://doi.org/10.1161/STROKEAHA.119.028094>

12. Yu AYX, Fang J, Porter J, Austin PC, Smith EE, Kapral MK. **Hospital-based cohort study to determine the association between home-time and disability after stroke by age, sex, stroke type and study year in Canada.** *BMJ Open*. 2019; 9(11):e031379. Epub 2019 Nov 11. DOI: <https://doi.org/10.1136/bmjopen-2019-031379>
13. Vyas MV, Fang J, Kapral MK. **Temporal trends in the unmet health care needs of Canadian stroke survivors.** *Can J Neurol Sci*. 2019; Oct 29 [Epub ahead of print]. DOI: <https://doi.org/10.1017/cjn.2019.319>
14. Jewett GA, Lindsay MP, Goia C, Zagorski B, Kamal N, Kapral MK, Demchuk AM, Hill MD, Yu AY. **National trends in hospital admission, case fatality, and sex differences in atrial fibrillation-related strokes.** *Int J Stroke*. 2019; Oct 8 [Epub ahead of print]. DOI: <https://doi.org/10.1177/1747493019881349>
15. Yu AYX, Fang J, Kapral MK. **One-year home-time and mortality after thrombolysis compared with nontreated patients in a propensity-matched analysis.** *Stroke*. 2019; 50(12):3488-93. Epub 2019 Oct 1. DOI: <https://doi.org/10.1161/STROKEAHA.119.026922>
16. Joundi RA, Saposnik G, Martino R, Fang J, Kapral MK. **Timing of direct enteral tube placement and outcomes after acute stroke.** *J Stroke Cerebrovasc Dis*. 2019; 28(12):104401. Epub 2019 Sep 28. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2019.104401>
17. Krawczyk M, Friedman S, Cheng Y, Fang J, Saposnik G, Saposnik LA. **Atrial fibrillation diagnosed after stroke and dementia risk: cohort study of first-ever ischaemic stroke patients aged 65 or older.** *Europace*. 2019; Sep 18 [Epub ahead of print]. DOI: <https://doi.org/10.1093/europace/euz237>
18. Vyas MV, de Oliveira C, Laporte A, Kapral MK. **The association between stroke, integrated stroke systems, and the employability and productivity of Canadian stroke survivors.** *Neuroepidemiology*. 2019; 53(3-4):209-19. Epub 2019 Sep 17. DOI: <https://doi.org/10.1159/000502010>
19. Cheung AM, Kapral MK. **Response by Cheung and Kapral to letter regarding article, "Screening and treatment for osteoporosis after stroke: results from the Ontario Stroke Registry".** *Stroke*. 2019; 50(10):e308. Epub 2019 Sep 13. DOI: <https://doi.org/10.1161/STROKEAHA.119.026949>
20. Burneo JG, Antaya TC, Allen BN, Belisle A, Shariff SZ, Saposnik G. **The risk of new-onset epilepsy and refractory epilepsy in older adult stroke survivors.** *Neurology*. 2019; 93(6):e568-77. Epub 2019 Jul 10. DOI: <https://doi.org/10.1212/WNL.0000000000007895>
21. Smith EE, Fang J, Alibhai SM, Cram P, Cheung AM, Casaubon LK, Kapoor E, Austin PC, Kapral MK. **Derivation and external validation of a scoring system for predicting fracture risk after ischemic stroke in a Canadian cohort.** *JAMA Neurol*. 2019; 76(8):925-31. Epub 2019 May 13. DOI: <https://doi.org/10.1001/jamaneurol.2019.1114>
22. Kapoor E, Austin PC, Alibhai SMH, Cheung AM, Cram P, Casaubon LK, Fang J, Porter J, Smith EE, Prager M, Kapral MK. **Screening and treatment for osteoporosis after stroke: results from the Ontario Stroke Registry.** *Stroke*. 2019; 50(6):1564-6. Epub 2019 Apr 25. DOI: <https://doi.org/10.1161/STROKEAHA.118.024685>
23. Morovatdar N, Thrift AG, Stranges S, Kapral M, Behrouz R, Amiri A, Heshmati A, Ghahremani A, Farzadfar MT, Mokhber N, Azarpazhooh MR. **Socioeconomic status and long-term stroke mortality, recurrence and disability in Iran: the Mashhad**

Stroke Incidence Study. *Neuroepidemiology*. 2019; 53(1-2):27-31. Epub 2019 Apr 16.
DOI: <https://doi.org/10.1159/000494885>

24. Ung D, Kim J, Thrift AG, Cadilhac DA, Andrew NE, Sundararajan V, Kapral MK, Reeves M, Kilkenny MF. **Promising use of big data to increase the efficiency and comprehensiveness of stroke outcomes research.** *Stroke*. 2019; 50(5):1302-9. Epub 2019 Apr 9. DOI: <https://doi.org/10.1161/STROKEAHA.118.020372>
25. Azarpazhooh MR, Mandzia JL, Thrift AG, Sposato LA, Morovatdar N, Amiri A, Kapral MK, Yassi N, Bahit C, Kaul S, Alladi S, Nilanont Y, Coppola M, Nucera A, Silver B, Werring D, Simister R, Swartz RH, Owolabi MO, Ovbiagele B, Hachinski V; ASSESS investigators. **Age, Sex, and Setting in the Etiology of Stroke Study (ASSESS): study design and protocol.** *J Neurol Sci*. 2019; 399:209-13. Epub 2019 Feb 14.
DOI: <https://doi.org/10.1016/j.jns.2019.02.024>
26. Kapral MK, Austin PC, Jeyakumar G, Hall R, Chu A, Khan AM, Jin AY, Martin C, Manuel D, Silver FL, Swartz RH, Tu JV. **Rural-urban differences in stroke risk factors, incidence, and mortality in people with and without prior stroke.** *Circ Cardiovasc Qual Outcomes*. 2019; 12(2)e004973. Epub 2019 Feb 14.
DOI: <https://doi.org/10.1161/CIRCOUTCOMES.118.004973>
27. Surmava AM, MacLagan LC, Khan F, Kapral MK, Hall RE, deVeber G. **Incidence and current treatment gaps in pediatric stroke and TIA: an Ontario-wide population-based study.** *Neuroepidemiology*. 2019; 52(3-4):119-27. Epub 2019 Jan 17.
DOI: <https://doi.org/10.1159/000493140>
28. Edwards JD, Kapral MK, Lindsay MP, Fang J, Swartz RH. **Young stroke survivors with no early recurrence at high long-term risk of adverse outcomes.** *J Am Heart Assoc*. 2019; 8(1). Epub 2018 Dec 19. DOI: <https://doi.org/10.1161/JAHA.118.010370>
29. Cerasuolo JO, Azarpazhooh MR, Kapral MK, Cipriano LE, Hachinski V. **Evidence of concomitantly increasing stroke and dementia prevalence among those 80 years and older in Ontario, Canada, 2003-04 to 2012-13.** *Can J Neurol Sci*. 2019; 46(1):105-7. Epub 2018 Nov 19. DOI: <https://doi.org/10.1017/cjn.2018.347>
30. Joundi RA, Saposnik G, Martino R, Fang J, Kapral MK. **Predictors of direct enteral tube placement after acute stroke.** *J Stroke Cerebrovasc Dis*. 2019; 28(1):191-7. Epub 2018 Oct 24. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2018.09.032>
31. Yu AYX, Kapral MK, Fang J, Redelmeier DA. **Increased risk of traffic injury after a cerebrovascular event.** *Stroke*. 2018; 49(12):3006-11. Epub 2018 Oct 19.
DOI: <https://doi.org/10.1161/STROKEAHA.118.022657>
32. Farzadfar MT, Sheikh Andalibi MS, Thrift AG, Morovatdar N, Stranges S, Amiri A, Kapral MK, Behrouz R, Juibary AG, Mokhber N, Azarpazhooh MR. **Long-term disability after stroke in Iran: evidence from the Mashhad Stroke Incidence Study.** *Int J Stroke*. 2019; 14(1):44-7. Epub 2018 Aug 17. DOI: <https://doi.org/10.1177/1747493018789839>
33. Abdel-Qadir H, Fang J, Lee DS, Tu JV, Amir E, Austin PC, Anderson GM. **Importance of considering competing risks in time-to-event analyses: application to stroke risk in a retrospective cohort study of elderly patients with atrial fibrillation.** *Circ Cardiovasc Qual Outcomes*. 2018; 11(7):e004580. Epub 2018 Jul 11.
DOI: <https://doi.org/10.1161/CIRCOUTCOMES.118.004580>
34. Reeves M, Lisabeth L, Williams L, Katzen I, Kapral M, Deutsch A, Prvu-Bettger J. **Patient-reported outcome measures (PROMs) for acute stroke: rationale,**

- methods and future directions.** *Stroke*. 2018; 49(6):1549-56. Epub 2018 May 22.
DOI: <https://doi.org/10.1161/STROKEAHA.117.018912>
35. Zerna C, Lindsay MP, Fang J, Swartz RH, Smith EE. **Outcomes in hospitalized ischemic stroke patients with dementia on admission: a population-based cohort study.** *Can J Neurol Sci*. 2018; 45(3):290-4. Epub 2018 Apr 16.
DOI: <https://doi.org/10.1017/cjn.2018.9>
36. Sherman V, Flowers H, Kapral MK, Nicholson G, Silver F, Martino R. **Screening for dysphagia in adult patients with stroke: assessing the accuracy of informal detection.** *Dysphagia*. 2018; 33(5):662-9. Epub 2018 Mar 1.
DOI: <https://doi.org/10.1007/s00455-018-9885-8>
37. Jewett L, Harroud A, Hill MD, Côté R, Wein T, Smith EE, Gubitz G, Demchuk AM, Sahlas DJ, Gladstone DJ, Lindsay MP. **Secondary stroke prevention services in Canada: a cross-sectional survey and geospatial analysis of resources, capacity and geographic access.** *CMAJ Open*. 2018; 6(1):E95-102. Epub 2018 Feb 21.
DOI: <https://doi.org/10.9778/cmajo.20170130>
38. Saposato LA, Cerasuolo JO, Cipriano LE, Fang J, Fridman S, Paquet M, Saposnik G; PARADISE Study Group. **Atrial fibrillation detected after stroke is related to a low risk of ischemic stroke recurrence.** *Neurology*. 2018; 90(11):e924-31. Epub 2018 Feb 14. DOI: <https://doi.org/10.1212/WNL.0000000000005126>
39. Farzadfar MT, Thrift AG, Amiri A, Kapral MK, Hashemi P, Saposato LA, Salehi M, Shoeibi A, Hoseini A, Mokhber N, Azarpazhooh MR. **Five-year case fatality following first-ever stroke in the Mashhad Stroke Incidence Study: a population-based study of stroke in the Middle East.** *J Stroke Cerebrovasc Dis*. 2018; 27(4):1085-9. Epub 2018 Feb 9.
DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2017.11.018>
40. Saposato LA, Cerasuolo JO, Cipriano LE, Fang J, Fridman S, Paquet M, Saposnik G; PARADISE Study Group. **Atrial fibrillation detected after stroke is related to a low risk of ischemic stroke recurrence.** *Neurology*. 2018; 90(11):e924-31. Epub 2018 Feb 14. DOI: <https://doi.org/10.1212/WNL.0000000000005126>
41. Hussain MA, Alali AS, Mamdani M, Tu JV, Saposnik G, Salata K, Nathens AB, de Mestral C, Bhatt DL, Verma S, Al-Omran M. **Risk of intracranial hemorrhage after carotid artery stenting versus endarterectomy: a population-based study.** *J Neurosurg*. 2018; 129(6):1522-9. Epub 2018 Feb 2. DOI: <https://doi.org/10.3171/2017.8.JNS171142>
42. Joundi RA, Saposnik G, Martino R, Fang J, Porter J, Kapral MK. **Outcomes among patients with direct enteral vs nasogastric tube placement after acute stroke.** *Neurology*. 2018; 90(7):e544-52. Epub 2018 Jan 24.
DOI: <https://doi.org/10.1212/WNL.0000000000004962>
43. Salehi M, Amiri A, Thrift AG, Kapral MK, Saposato L, Behrouz R, Fang J, Shoeibi A, Hashemi P, Farzadfar MT, Mokhber N, Azarpazhooh MR. **Five-year recurrence rate and the predictors following stroke in the Mashhad Stroke Incidence Study: a population-based cohort study of stroke in the Middle East.** *Neuroepidemiology*. 2018; 50(1-2):18-22. Epub 2018 Jan 10. DOI: <https://doi.org/10.1159/000485509>
44. Morovatdar N, Thrift AG, Kapral MK, Behrouz R, Saber H, Amiri A, Farzadfar MT, Mokhber N, Stranges S, Azarpazhooh MR. **Long-term outcomes of ischemic stroke of undetermined mechanism: a population-based prospective cohort.** *Neuroepidemiology*. 2017; 49(3-4):160-4. Epub 2017 Nov 21.
DOI: <https://doi.org/10.1159/000482019>

45. Barnett C, Bril V, Kapral M, Kulkarni AV, Davis AM. **Myasthenia Gravis Impairment Index: responsiveness, meaningful change, and relative efficiency.** *Neurology*. 2017; 89(23):2357-64. Epub 2017 Nov 3. DOI: <https://doi.org/10.1212/WNL.0000000000004676>
46. Nerenberg KA, Park AL, Vigod SN, Saposnik G, Berger H, Hladunewich MA, Gandhi S, Silversides CK, Ray JG. **Long-term risk of a seizure disorder after eclampsia.** *Obstet Gynecol*. 2017; 130(6):1327-33. Epub 2017 Nov 3. DOI: <https://doi.org/10.1097/AOG.0000000000002364>
47. Amiri A, Kapral MK, Thrift AG, Saposnik G, Saber H, Behrouz R, Erfanian M, Farzadfar MT, Mokhber N, Azarpazhooh MR. **The incidence and characteristics of stroke in urban-dwelling Iranian women.** *J Stroke Cerebrovasc Dis*. 2018; 27(3):547-54. Epub 2017 Oct 31. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2017.09.050>
48. Dhamoon MS, Liang JW, Zhou L, Stamplecoski M, Kapral MK, Shah BR. **Sex differences in outcomes after stroke in patients with diabetes in Ontario, Canada.** *J Stroke Cerebrovasc Dis*. 2018; 27(1):210-20. Epub 2017 Sep 13. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2017.08.028>
49. Khan NA, McAlister FA, Pilote L, Palepu A, Quan H, Hill MD, Fang J, Kapral MK. **Secondary prevention treatment after acute stroke in older South Asian, Chinese and other Canadians: a retrospective data analysis.** *CMAJ Open*. 2017; 5(3):E702-9. DOI: <https://doi.org/10.9778/cmajo.20160147>
50. Joundi RA, Martino R, Saposnik G, Giannakeas V, Fang J, Kapral MK. **Dysphagia screening after intracerebral hemorrhage.** *Int J Stroke*. 2018; 13(5):503-10. Epub 2017 Sep 7. DOI: <https://doi.org/10.1177/1747493017729265>
51. Edwards JD, Kapral MK, Fang J, Swartz RH. **Long-term morbidity and mortality in patients without early complications after stroke or transient ischemic attack.** *CMAJ*. 2017; 189(29):E954-61. Epub 2017 Jul 24. DOI: <https://doi.org/10.1503/cmaj.161142>
52. Korompoki E, Filippidis FT, Nielsen PB, Del Giudice A, Lip GYH, Kuramatsu JB, Huttner HB, Fang J, Schulman S, Martí-Fàbregas J, Gathier CS, Viswanathan A, Biffi A, Poli D, Weimar C, Malzahn U, Heuschmann P, Veltkamp R. **Long-term antithrombotic treatment in intracranial hemorrhage survivors with atrial fibrillation.** *Neurology*. 2017; 89(7):687-96. Epub 2017 Jul 19. DOI: <https://doi.org/10.1212/WNL.0000000000004235>
53. Porter J, Hall RE, Kapral MK, Fang J, Khan F, Silver FL. **Outcomes following telestroke-assisted thrombolysis for stroke in Ontario, Canada.** *J Telemed Telecare*. 2018; 24(7):492-9. Epub 2017 Jul 10. DOI: <https://doi.org/10.1177/1357633X17717601>
54. Grewal K, Austin PC, Kapral MK, Lu H, Atzema CL. **The impact of opioid medications on subsequent fractures in discharged emergency department patients with peripheral vertigo.** *CJEM*. 2018; 20(1):28-35. Epub 2017 Jun 20. DOI: <https://doi.org/10.1017/cem.2017.37>
55. Khan NA, McAlister FA, Pilote L, Palepu A, Quan H, Hill MD, Fang J, Kapral MK. **Temporal trends in stroke incidence in South Asian, Chinese and white patients: a population based analysis.** *PLoS One*. 2017; 12(5):e0175556. Epub 2017 May 18. DOI: <https://doi.org/10.1371/journal.pone.0175556>
56. Edwards JD, Kapral MK, Fang J, Swartz RH. **Trends in long-term mortality and morbidity in patients with no early complications after stroke and transient**

- ischemic attack.** *J Stroke Cerebrovasc Dis.* 2017; 26(7):1641-5. Epub 2017 May 11. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2016.09.038>
57. Jewett L, Mirian A, Connolly B, Silver FL, Sahlas DJ. **Use of geospatial modeling to evaluate the impact of Telestroke on access to stroke thrombolysis in Ontario.** *J Stroke Cerebrovasc Dis.* 2017; 26(7):1400-6. Epub 2017 May 3. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2017.03.023>
58. 52. Tu JV, Chu A, MacLagan L, Austin PC, Johnston S, Ko DT, Cheung I, Atzema CL, Booth GL, Bhatia RS, Lee DS, Jackevicius CA, Kapral MK, Tu K, Wijeysundera HC, Alter DA, Udell JA, Manuel DG, Mondal P, Hogg W; Cardiovascular Health in Ambulatory Care Research Team (CANHEART). **Regional variations in ambulatory care and incidence of cardiovascular events.** *CMAJ.* 2017; 189(13):E494-501. Epub 2017 Apr 3. DOI: <https://doi.org/10.1503/cmaj.160823>
59. Cerasuolo JO, Cipriano LE, Saposnik G, Giannakeas V, Fang J, Gill SS, Hackam DG, Hachinski V. **Population-based stroke and dementia incidence trends: age and sex variations.** *Alzheimers Dement.* 2017; 13(10):1081-8. Epub 2017 Mar 28. DOI: <https://doi.org/10.1016/j.jalz.2017.02.010>
60. Joundi RA, Martino R, Saposnik G, Giannakeas V, Fang J, Kapral MK. **Predictors and outcomes of dysphagia screening after acute ischemic stroke.** *Stroke.* 2017; 48(4):900-6. Epub 2017 Mar 8. DOI: <https://doi.org/10.1161/STROKES.116.015332>
61. Rac VE, Sahakyan Y, Fan I, Ieraci L, Hall R, Kelloway L, van der Velde G, Kapral MK, Bayley M, Krahn M. **The characteristics of stroke units in Ontario: a pan-provincial survey.** *BMC Health Serv Res.* 2017; 17(1):154. Epub 2017 Feb 21. DOI: <https://doi.org/10.1186/s12913-017-2099-1>
62. Hall RE, Sondergaard D, Wodchis WP, Fang J, Mondal P, Bayley MT. **Trajectories of stroke care in Ontario: which path to best care?** *Can J Neurol Sci.* 2017; 44(3):261-6. Epub 2017 Feb 3. DOI: <https://doi.org/10.1017/cjn.2016.440>
63. Rawal S, Alcaide-Leon P, Macdonald RL, Rinkel GJ, Victor JC, Krings T, Kapral MK, Laupacis A. **Meta-analysis of timing of endovascular aneurysm treatment in subarachnoid haemorrhage: inconsistent results of early treatment within 1 day.** *J Neurol Neurosurg Psychiatry.* 2017; 88(3):241-8. Epub 2017 Jan 18. DOI: <https://doi.org/10.1136/jnnp-2016-314596>
64. Saber H, Thrift AG, Kapral MK, Shoamanesh A, Amiri A, Farzadfar MT, Behrouz R, Azarpazhooh MR. **Incidence, recurrence, and long-term survival of ischemic stroke subtypes: a population-based study in the Middle East.** *Int J Stroke.* 2017; 12(8):835-43. Epub 2017 Jan 3. DOI: <https://doi.org/10.1177/1747493016684843>
65. Vyas MV, Hackam DG, Silver FL, Laporte A, Kapral MK. **Lost productivity in stroke survivors: an econometrics analysis.** *Neuroepidemiology.* 2016; 47(3-4):164-70. Epub 2016 Dec 20. DOI: <https://doi.org/10.1159/000454730>
66. Kapral MK, Fang J, Alibhai SM, Cram P, Cheung AM, Casaubon LK, Prager M, Stamplecoski M, Rashkovan B, Austin PC. **Risk of fractures after stroke: results from the Ontario Stroke Registry.** *Neurology.* 2017; 88(1):57-64. Epub 2016 Nov 23. DOI: <https://doi.org/10.1212/WNL.000000000003457>
67. Porter J, Mondor L, Kapral MK, Fang J, Hall RE. **How reliable are administrative data for capturing stroke patients and their care.** *Cerebrovasc Dis Extra.* 2016; 6(3):96-106. Epub 2016 Oct 18. DOI: <https://doi.org/10.1159/000449288>

68. Zerna C, Kamal N, Lindsay MP, Fang J, Hill MD. **The impact of transferring stroke patients: an analysis of national administrative data.** *Can J Neurol Sci.* 2016; 43(6):760-4. Epub 2016 Sep 13. DOI: <https://doi.org/10.1017/cjn.2016.285>
69. Chen W, Liu G, Fang J, Wang Y, Song Y, Pan Y, Li H, Liu L, Wang C, Wang DZ, Zhao X, Wang Y; China National Stroke Registry (CNSR) Investigators. **External validation of the totaled health risks in vascular events score to predict functional outcome and mortality in patients entered into the China National Stroke Registry.** *J Stroke Cerebrovasc Dis.* 2016; 25(10):2331-7. Epub 2016 Aug 17. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2016.03.021>
70. Hall R, Mondor L, Porter J, Fang J, Kapral MK. **Accuracy of administrative data for the coding of acute stroke and TIAs.** *Can J Neurol Sci.* 2016; 43(6):765-73. Epub 2016 Jul 18. DOI: <https://doi.org/10.1017/cjn.2016.278>
71. Edwards JD, Kapral MK, Fang J, Saposnik G, Gladstone DJ; Investigators of the Registry of the Canadian Stroke Network. **Underutilization of ambulatory ECG monitoring after stroke and transient ischemic attack: missed opportunities for atrial fibrillation detection.** *Stroke.* 2016; 47(8):1982-9. Epub 2016 Jul 12. DOI: <https://doi.org/10.1161/STROKEAHA.115.012195>
72. Dhamoon MS, Zhou L, Stamplecoski M, Kapral M, Shah B. **Stroke recurrence among South Asians with diabetes in Ontario, Canada.** *Int J Stroke.* 2016; 11(8):890-7. Epub 2016 Jul 9. DOI: <https://doi.org/10.1177/1747493016654488>
73. Barnett C, Bril V, Kapral M, Kulkarni A, Davis AM. **Development and validation of the Myasthenia Gravis Impairment Index.** *Neurology.* 2016; 87(9):879-86. Epub 2016 Jul 8. DOI: <https://doi.org/10.1212/WNL.0000000000002971>
74. Shah R, Li S, Stamplecoski M, Kapral MK. **Low use of oral anticoagulant prescribing for secondary stroke prevention: results from the Ontario Stroke Registry.** *Med Care.* 2016; 54(10):907-12. Epub 2016 Jun 30. DOI: <https://doi.org/10.1097/MLR.0000000000000589>
75. Burton KR, Kapral MK, Li S, Fang J, Moody AR, Krahn M, Laupacis A. **Predictors of diagnostic neuroimaging delays among adults presenting with symptoms suggestive of acute stroke in Ontario: a prospective cohort study.** *CMAJ Open.* 2016; 4(2):E331-7. Epub 2016 Jun 20. DOI: <https://doi.org/10.9778/cmajo.20150110>
76. Hachinski V, Sposato LA, Kapral M. **Preventing both stroke and dementia.** *Lancet Neurol.* 2016; 15(7):659. Epub 2016 May 9. DOI: [https://doi.org/10.1016/S1474-4422\(16\)30041-2](https://doi.org/10.1016/S1474-4422(16)30041-2)
77. Ng VT, Bayoumi AM, Fang J, Burton KR, Stamplecoski M, Edwards JD, Kapral MK. **Temporal trends in the use of investigations after stroke or transient ischemic attack.** *Med Care.* 2016; 54(5):430-4. DOI: <https://doi.org/10.1097/MLR.0000000000000499>
78. Joudi RA, Rabinstein AA, Nikneshan D, Tu JV, Fang J, Holloway R, Saposnik G; Stroke Outcomes Research Working Group (SORCan-www.sorcan.ca). **Cardiac arrest in acute ischemic stroke: incidence, predisposing factors, and clinical outcomes.** *J Stroke Cerebrovasc Dis.* 2016; 25(7):1644-52. Epub 2016 Apr 7. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2016.03.010>
79. Kapral MK, Hall R, Fang J, Austin PC, Silver FL, Casaubon LK, Gladstone DJ, Stamplecoski M, Tu JV. **Predictors of hospitalization in patients with transient**

- ischemic attack or minor ischemic stroke.** *Can J Neurol Sci.* 2016; 43(4):523-8. Epub 2016 Mar 30. DOI: <https://doi.org/10.1017/cjn.2016.12>
80. Kapral MK, Hall R, Fang J, Austin PC, Silver FL, Gladstone DJ, Casaubon LK, Stamplecoski M, Tu JV. **Association between hospitalization and care after transient ischemic attack or minor stroke.** *Neurology.* 2016; 86(17):1582-9. Epub 2016 Mar 25. DOI: <https://doi.org/10.1212/WNL.0000000000002614>
81. Persaud N, Thorpe KE, Raptis SR, Saposnik G; Stroke Outcomes Research Working Group (SORCan—www.sorcan.ca). **Why clinicians prognosticate stroke patients poorly: results from the Clinician Judgment versus Risk Score to predict Stroke Outcomes randomized study.** *J Stroke Cerebrovasc Dis.* 2016; 25(6):1349-54. Epub 2016 Mar 14. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2016.01.024>
82. Koifman J, Hall R, Li S, Stamplecoski M, Fang J, Saltman AP, Kapral MK. **The association between rural residence and stroke care and outcomes.** *J Neurol Sci.* 2016; 363:16-20. Epub 2016 Feb 9. DOI: <https://doi.org/10.1016/j.jns.2016.02.019>
83. Ganesh A, Lindsay P, Fang J, Kapral MK, Côté R, Joiner I, Hakim AM, Hill MD. **Integrated systems of stroke care and reduction in 30-day mortality: a retrospective analysis.** *Neurology.* 2016; 86(10):898-904. Epub 2016 Feb 5. DOI: <https://doi.org/10.1212/WNL.0000000000002443>
84. Pongmoragot J, Lee DS, Park TH, Fang J, Austin PC, Saposnik G. **Stroke and heart failure: clinical features, access to care, and outcomes.** *J Stroke Cerebrovasc Dis.* 2016; 25(5):1048-56. Epub 2016 Feb 4. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2016.01.013>
85. Furlan JC, Fang J, Silver FL. **Outcomes after acute ischemic stroke in patients with thrombocytopenia or thrombocytosis.** *J Neurol Sci.* 2016; 362:198-203. Epub 2016 Jan 23. DOI: <https://doi.org/10.1016/j.jns.2016.01.044>
86. 80. Casaubon LK, Boulanger JM, Glasser E, Blacquiere D, Boucher S, Brown K, Goddard T, Gordon J, Horton M, Lalonde J, LaRivière C, Lavoie P, Leslie P, McNeill J, Menon BK, Moses B, Penn M, Perry J, Snieder E, Tymianski D, Foley N, Smith EE, Gubitz G, Hill MD, Lindsay P; Heart and Stroke Foundation of Canada Canadian Stroke Best Practices Advisory Committee. **Canadian Stroke Best Practice Recommendations: Acute Inpatient Stroke Care Guidelines**, Update 2015. *Int J Stroke.* 2016; 11(2):239-52. Epub 2016 Jan 18. DOI: <https://doi.org/10.1177/1747493015622461>
87. Kim YD, Choi HY, Jung YH, Yoo J, Nam HS, Song D, Heo JH, Saposnik G. **The Ischemic Stroke Predictive Risk Score predicts early neurological deterioration.** *J Stroke Cerebrovasc Dis.* 2016; 25(4):819-24. Epub 2016 Jan 18. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2015.12.003>
88. Cadilhac DA, Kim J, Lannin NA, Kapral MK, Schwamm LH, Dennis MS, Norrving B, Meretoja A. **National stroke registries for monitoring and improving the quality of hospital care: a systematic review.** *Int J Stroke.* 2016; 11(1):28-40. Epub 2015 Dec 31. DOI: <https://doi.org/10.1177/1747493015607523>
89. Atzema CL, Grewal K, Lu H, Kapral MK, Kulkarni G, Austin PC. **Outcomes among patients discharged from the emergency department with a diagnosis of peripheral vertigo.** *Ann Neurol.* 2016; 79(1):32-41. Epub 2015 Dec 12. DOI: <https://doi.org/10.1002/ana.24521>
90. Sposato LA, Kapral MK, Fang J, Gill SS, Hackam DG, Cipriano LE, Hachinski V. **Declining incidence of stroke and dementia: coincidence or prevention**

opportunity? *JAMA Neurol.* 2015; 72(12):1529-31. Epub 2015 Dec 7.

DOI: <https://doi.org/10.1001/jamaneurol.2015.2816>

91. Saltman AP, Kapral MK. **Treating in-hospital stroke-Reply.** *JAMA Neurol.* 2015; 72(12):1535-6. DOI: <https://doi.org/10.1001/jamaneurol.2015.2669>
92. Salinas J, Sprinkhuizen SM, Ackerson T, Bernhardt J, Davie C, George MG, Gething S, Kelly AG, Lindsay P, Liu L, Martins SC, Morgan L, Norrving B, Ribbers GM, Silver FL, Smith EE, Williams LS, Schwamm LH. **An international standard set of patient-centered outcome measures after stroke.** *Stroke.* 2016; 47(1):180-6. Epub 2015 Nov 24. DOI: <https://doi.org/10.1161/STROKEAHA.115.010898>
93. Li OL, Silver FL, Lichtman J, Fang J, Stamplecoski M, Wengle RS, Kapral MK. **Sex differences in the presentation, care, and outcomes of transient ischemic attack: results from the Ontario Stroke Registry.** *Stroke.* 2016; 47(1):255-7. Epub 2015 Nov 10. DOI: <https://doi.org/10.1161/STROKEAHA.115.010485>
94. Hall RE, Fang J, Hodwitz K, Saposnik G, Bayley MT. **Does the volume of ischemic stroke admissions relate to clinical outcomes in the Ontario stroke system?** *Circ Cardiovasc Qual Outcomes.* 2015; 8(6 Suppl 3):S141-7. Epub 2015 Oct 29. DOI: <https://doi.org/10.1161/CIRCOUTCOMES.115.002079>
95. Ewara EM, Isaranuwatchai W, Bravata DM, Williams LS, Fang J, Hoch JS, Saposnik G; Stroke Outcomes Research Canada Working Group. **The iScore predicts total healthcare costs early after hospitalization for an acute ischemic stroke.** *Int J Stroke.* 2015; 10(8):1179-86. Epub 2015 Oct 26. DOI: <https://doi.org/10.1111/ijs.12641>
96. Furlan JC, Fang J, Silver FL. **Acute ischemic stroke and abnormal blood hemoglobin concentration.** *Acta Neurol Scand.* 2016; 134(2):123-30. Epub 2015 Oct 20. DOI: <https://doi.org/10.1111/ane.12521>
97. Fonarow GC, Kapral MK, Schwamm LH. **Future of quality and outcomes research in stroke.** *Circ Cardiovasc Qual Outcomes.* 2015; 8(6 Suppl 3):S66-8. Epub 2015 Oct 1. DOI: <https://doi.org/10.1161/CIRCOUTCOMES.115.002309>
98. Ben-Yakov M, Kapral MK, Fang J, Li S, Vermeulen MJ, Schull MJ. **The association between emergency department crowding and the disposition of patients with transient ischemic attack or minor stroke.** *Acad Emerg Med.* 2015; 22(10):1145-54. Epub 2015 Sep 23. DOI: <https://doi.org/10.1111/acem.12766>
99. Shoeibi A, Salehi M, Thrift AG, Kapral MK, Farzadfar MT, Azarpazhooh A, Layegh P, Hashemi P, Amiri A, Mokhber N, Hassankhani B, Azarpazhooh MR. **One-year case fatality rate following stroke in the Mashhad Stroke Incidence Study: a population-based study of stroke in Iran.** *Int J Stroke.* 2015; 10 Suppl A100:96-102. Epub 2015 Aug 26. DOI: <https://doi.org/10.1111/ijs.12611>
100. Krueger H, Koot J, Hall RE, O'Callaghan C, Bayley M, Corbett D. **Prevalence of individuals experiencing the effects of stroke in Canada: trends and projections.** *Stroke.* 2015; 46(8):2226-31. Epub 2015 Jul 23. DOI: <https://doi.org/10.1161/STROKEAHA.115.009616>
101. Eskes GA, Lanctôt KL, Herrmann N, Lindsay P, Bayley M, Bouvier L, Dawson D, Egi S, Gilchrist E, Green T, Gubitz G, Hill MD, Hopper T, Khan A, King A, Kirton A, Moorhouse P, Smith EE, Green J, Foley N, Salter K, Swartz RH; Heart Stroke Foundation Canada Canadian Stroke Best Practices Committees. **Canadian Stroke Best Practice Recommendations: Mood, Cognition and Fatigue following Stroke Practice**

Guidelines, Update 2015. *Int J Stroke.* 2015; 10(7):1130-40. Epub 2015 Jun 29.

DOI: <https://doi.org/10.1111/ijis.12557>

102. Saltman AP, Silver FL, Fang J, Stamplecoski M, Kapral MK. **Care and outcomes of patients with in-hospital stroke.** *JAMA Neurol.* 2015; 72(7):749-55. Epub 2015 May 4. DOI: <https://doi.org/10.1001/jamaneurol.2015.0284>
103. Kamal N, Lindsay MP, Côté R, Fang J, Kapral MK, Hill MD. **Ten-year trends in stroke admissions and outcomes in Canada.** *Can J Neurol Sci.* 2015; 42(3):168-75. Epub 2015 Apr 10. DOI: <https://doi.org/10.1017/cjn.2015.20>
104. Cressman AM, Macdonald EM, Yao Z, Austin PC, Gomes T, Paterson JM, Kapral MK, Mamdani MM, Juurlink DN; Canadian Drug Safety and Effectiveness Research Network (CDSERN). **Socioeconomic status and risk of hemorrhage during warfarin therapy for atrial fibrillation: a population-based study.** *Am Heart J.* 2015; 170(1):133-40.e3. Epub 2015 Mar 31. DOI: <https://doi.org/10.1016/j.ahj.2015.03.014>
105. Gladstone DJ, Dorian P, Spring M, Panzov V, Mamdani M, Healey JS, Thorpe KE; EMBRACE Steering Committee and Investigators. **Atrial premature beats predict atrial fibrillation in cryptogenic stroke: results from the EMBRACE trial.** *Stroke.* 2015; 46(4):936-41. Epub 2015 Feb 19. DOI: <https://doi.org/10.1161/STROKEAHA.115.008714>
106. Tung JM, Mamdani MM, Juurlink DN, Paterson JM, Kapral MK, Gomes T. **Rates of ischemic stroke during warfarin treatment for atrial fibrillation.** *Stroke.* 2015; 46(4):1120-2. Epub 2015 Feb 19. DOI: <https://doi.org/10.1161/STROKEAHA.114.007852>
107. Sood MM, Garg AX, Bota SE, Marisiddappa L, McArthur E, Naylor KL, Kapral MK, Kim SJ, Lam NN, Molnar AO, Harel Z, Perl J, Knoll GA. **Risk of major hemorrhage after kidney transplantation.** *Am J Nephrol.* 2015; 41(1):73-80. Epub 2015 Feb 10. DOI: <https://doi.org/10.1159/000371902>
108. Shah BR, Khan NA, O'Donnell MJ, Kapral MK. **Impact of language barriers on stroke care and outcomes.** *Stroke.* 2015; 46(3):813-8. Epub 2015 Feb 5. DOI: <https://doi.org/10.1161/STROKEAHA.114.007929>
109. Tu JV, Chu A, Donovan LR, Ko DT, Booth GL, Tu K, MacLagan LC, Guo H, Austin PC, Hogg W, Kapral MK, Wijeysundera HC, Atzema CL, Gershon AS, Alter DA, Lee DS, Jackevicius CA, Bhatia RS, Udell JA, Rezai MR, Stukel TA. **The Cardiovascular Health in Ambulatory Care Research Team (CANHEART): using big data to measure and improve cardiovascular health and healthcare services.** *Circ Cardiovasc Qual Outcomes.* 2015; 8(2):204-12. Epub 2015 Feb 3. DOI: <https://doi.org/10.1161/CIRCOUTCOMES.114.001416>
110. Coutts SB, Wein TH, Lindsay MP, Buck B, Cote R, Ellis P, Foley N, Hill MD, Jaspers S, Jin AY, Kwiatkowski B, MacPhail C, McNamara-Morse D, McMurry MS, Mysak T, Pipe A, Silver K, Smith EE, Gubitz G; Heart, and Stroke Foundation Canada Canadian Stroke Best Practices Advisory Committee. **Canadian Stroke Best Practice Recommendations: secondary prevention of stroke guidelines, update 2014.** *Int J Stroke.* 2015; 10(3):282-91. Epub 2014 Dec 23. DOI: <https://doi.org/10.1111/ijis.12439>
111. Park TH, Redelmeier DA, Li S, Pongmoragot J, Saposnik G; Investigators of the Registry of the Canadian Stroke network (RCSN) for the Stroke Outcomes Research (SORCan) Working Group. **Academic year-end changeover and stroke outcomes.** *J Stroke Cerebrovasc Dis.* 2015; 24(2):500-6. Epub 2014 Dec 23. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2014.09.030>

112. Bastawrous M, Gignac MA, Kapral MK, Cameron JI. **Factors that contribute to adult children caregivers' well-being: a scoping review.** *Health Soc Care Community.* 2015; 23(5):449-66. Epub 2014 Dec 4. DOI: <https://doi.org/10.1111/hsc.12144>
113. Grewal K, Austin PC, Kapral MK, Lu H, Atzema CL. **Missed strokes using computed tomography imaging in patients with vertigo: population-based cohort study.** *Stroke.* 2015; 46(1):108-13. Epub 2014 Dec 4. DOI: <https://doi.org/10.1161/STROKEAHA.114.007087>
114. McGrath ER, Kapral MK, Fang J, Eikelboom JW, Conghaile Aó, Canavan M, O'Donnell MJ; Investigators of the Ontario Stroke Registry. **Antithrombotic therapy after acute ischemic stroke in patients with atrial fibrillation.** *Stroke.* 2014; 45(12):3637-42. Epub 2014 Nov 6. DOI: <https://doi.org/10.1161/STROKEAHA.114.006929>
115. Ganesh A, Camden M, Lindsay P, Kapral MK, Coté R, Fang J, Zagorski B, Hill MD; Canadian Stroke Audit Group. **The quality of treatment of hyperacute ischemic stroke in Canada: a retrospective chart audit.** *CMAJ Open.* 2014; 2(4):E233-9. Epub 2014 Oct 1. DOI: <https://doi.org/10.9778/cmajopen.20140067>
116. Bastawrous M, Gignac MA, Kapral MK, Cameron JI. **Adult daughters providing post-stroke care to a parent: a qualitative study of the impact that role overload has on lifestyle, participation and family relationships.** *Clin Rehabil.* 2015; 29(6):592-600. Epub 2014 Sep 25. DOI: <https://doi.org/10.1177/0269215514552035>
117. Burton KR, Dhanoa D, Aviv RI, Moody AR, Kapral MK, Laupacis A. **Perfusion CT for selecting patients with acute ischemic stroke for intravenous thrombolytic therapy.** *Radiology.* 2015; 274(1):103-14. Epub 2014 Sep 19. DOI: <https://doi.org/10.1148/radiol.14140728>
118. Sood MM, Bota SE, McArthur E, Kapral MK, Tangri N, Knoll G, Zimmerman D, Garg AX. **The three-year incidence of major hemorrhage among older adults initiating chronic dialysis.** *Can J Kidney Health Dis.* 2014; 1:21. Epub 2014 Sep 2. DOI: <https://doi.org/10.1186/s40697-014-0021-x>
119. Bastawrous M, Gignac MA, Kapral MK, Cameron JI. **Daughters providing poststroke care: perspectives on the parent-child relationship and well-being.** *Qual Health Res.* 2014; 24(11):1527-39. Epub 2014 Aug 22. DOI: <https://doi.org/10.1177/1049732314548689>
120. Tsai JP, Rochon PA, Raptis S, Bronskill SE, Bell CM, Saposnik G. **A prescription at discharge improves long-term adherence for secondary stroke prevention.** *J Stroke Cerebrovasc Dis.* 2014; 23(9):2308-15. Epub 2014 Aug 20. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2014.04.026>
121. Reeves MJ, Prager M, Fang J, Stamplecoski M, Kapral MK. **Impact of living alone on the care and outcomes of patients with acute stroke.** *Stroke.* 2014; 45(10):3083-5. Epub 2014 Aug 19. DOI: <https://doi.org/10.1161/STROKEAHA.114.006520>
122. McGrath ER, Paikin JS, Motlagh B, Salehian O, Kapral MK, O'Donnell MJ. **Transesophageal echocardiography in patients with cryptogenic ischemic stroke: a systematic review.** *Am Heart J.* 2014; 168(5):706-12. Epub 2014 Jul 30. DOI: <https://doi.org/10.1016/j.ahj.2014.07.025>
123. Sposato LA, Ovbiagele B, Johnston SC, Fisher M, Saposnik G; Stroke Outcome Research Working Group (www.sorcan.ca). **A peek behind the curtain: peer review and editorial decision making at *Stroke*.** *Ann Neurol.* 2014; 76(2):151-8. Epub 2014 Jul 16. DOI: <https://doi.org/10.1002/ana.24218>

124. Saposnik G, Chow CM, Gladstone D, Cheung D, Brawer E, Thorpe KE, Saldanha A, Dang A, Bayley M, Schweizer TA; iHOME Research Team for the Stroke Outcomes Research Canada Working Group. **iPad technology for home rehabilitation after stroke (iHOME): a proof-of-concept randomized trial.** *Int J Stroke.* 2014; 9(7):956-62. Epub 2014 Jul 7. DOI: <https://doi.org/10.1111/ijs.12328>
125. Gladstone DJ, Spring M, Dorian P, Panzov V, Thorpe KE, Hall J, Vaid H, O'Donnell M, Laupacis A, Côté R, Sharma M, Blakely JA, Shuaib A, Hachinski V, Coutts SB, Sahlas DJ, Teal P, Yip S, Spence JD, Buck B, Verreault S, Casaubon LK, Penn A, Selchen D, Jin A, Howse D, Mehdiratta M, Boyle K, Aviv R, Kapral MK, Mamdani M; EMBRACE Investigators and Coordinators. **Atrial fibrillation in patients with cryptogenic stroke.** *N Engl J Med.* 2014; 370(26):2467-77. Epub 2014 Jun 26. DOI: <https://doi.org/10.1056/NEJMoa1311376>
126. Barnett C, Bril V, Kapral M, Kulkarni A, Davis AM. **A conceptual framework for evaluating impairments in myasthenia gravis.** *PLoS One.* 2014; 9(5):e98089. Epub 2014 May 20. DOI: <https://doi.org/10.1371/journal.pone.0098089>
127. Edjoc R, Reid RD, Sharma M, Fang J; Registry of Canadian Stroke Network. **Atherosclerosis unplugged: potential mechanisms leading to the clinical manifestation of stroke caused by cigarette smoking.** *J Stroke Cerebrovasc Dis.* 2014; 23(3):597. DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2013.12.035>
128. Burton KR, Perlis N, Aviv RI, Moody AR, Kapral MK, Krahn MD, Laupacis A. **Systematic review, critical appraisal, and analysis of the quality of economic evaluations in stroke imaging.** *Stroke.* 2014; 45(3):807-14. Epub 2014 Feb 11. DOI: <https://doi.org/10.1161/STROKEAHA.113.004027>
129. Huang CW, Saposnik G, Fang J, Steven DA, Burneo JG. **Influence of seizures on stroke outcomes: a large multicenter study.** *Neurology.* 2014; 82(9):768-76. Epub 2014 Jan 31. DOI: <https://doi.org/10.1212/WNL.0000000000000166>
130. Liu G, Fang J, Song Y, Pan Y, Zhang R, Wang Y, Zhao X, Wang C, Silver FL, Kapral MK, Wang Y. **A comparison of the care and outcomes of patients with stroke or transient ischemic attack in Beijing, China and Ontario, Canada.** *Chin J Stroke.* 2014; 9(9):724-30.
131. Pongmoragot J, Rabinstein AA, Nilanont Y, Swartz RH, Zhou L, Saposnik G; Investigators of Registry of Canadian Stroke Network (RCSN) and University of Toronto Stroke Program for Stroke Outcomes Research Canada (SORCan [www.sorcan.ca]) Working Group. **Pulmonary embolism in ischemic stroke: clinical presentation, risk factors, and outcome.** *J Am Heart Assoc.* 2013; 2(6):e000372. Epub 2013 Dec 19. DOI: <https://doi.org/10.1161/JAHA.113.000372>
132. Azarpazhooh MR, Shahripour RB, Kapral MK, Mokhber N, Shoeibi A, Farzadfar MT, Rafati MR, Thrift AG, Morovatdar N, Sajedi SA, Azarpazhooh A. **Incidence of first ever stroke during Hajj ceremony.** *BMC Neurol.* 2013; 13:193. Epub 2013 Dec 5. DOI: <https://doi.org/10.1186/1471-2377-13-193>
133. Rochette A, Korner-Bitensky N, Bishop D, Teasell R, White CL, Bravo G, Côté R, Green T, Lebrun LH, Lanthier S, Kapral M, Bayley M. **The YOU CALL–WE CALL randomized clinical trial: impact of a multimodal support intervention after a mild stroke.** *Circ Cardiovasc Qual Outcomes.* 2013; 6(6):674-9. Epub 2013 Nov 12. DOI: <https://doi.org/10.1161/CIRCOUTCOMES.113.000375>

134. McGrath ER, Eikelboom JW, Kapral MK, O'Donnell MJ. **Novel oral anticoagulants: a focused review for stroke physicians.** *Int J Stroke*. 2014; 9(1):71-8. Epub 2013 Oct 22. DOI: <https://doi.org/10.1111/ij.s.12158>
135. Hall RE, Khan F, Bayley MT, Asllani E, Lindsay P, Hill MD, O'Callaghan C, Silver FL, Kapral MK. **Benchmarks for acute stroke care delivery.** *Int J Qual Health Care*. 2013; 25(6):710-8. Epub 2013 Oct 17. DOI: <https://doi.org/10.1093/intqhc/mzt069>
136. Tu K, Wang M, Young J, Green D, Ivers NM, Butt D, Jaakkimainen L, Kapral MK. **Validity of administrative data for identifying patients who have had a stroke or transient ischemic attack using EMRALD as a reference standard.** *Can J Cardiol*. 2013; 29(11):1388-94. Epub 2013 Sep 26. DOI: <https://doi.org/10.1016/j.cjca.2013.07.676>
137. Swartz RH, Sicard MN, Silver FL, Saposnik G, Gladstone DJ, Breton J, Ramagnano S, Lee J, Aviv RI, Fang J, Zwarenstein MF; University of Toronto Stroke Program Investigators. **The CLOQS trial protocol: a cluster-randomized trial evaluating a simple, low-cost intervention to reduce treatment times in acute stroke.** *Int J Stroke*. 2014; 9(4):525-8. Epub 2013 Sep 5. DOI: <https://doi.org/10.1111/ij.s.12066>
138. McGrath ER, Kapral MK, Fang J, Eikelboom JW, Conghaile Aó, Canavan M, O'Donnell MJ; Investigators of the Ontario Stroke Registry. **Association of atrial fibrillation with mortality and disability after ischemic stroke.** *Neurology*. 2013; 81(9):825-32. Epub 2013 Jul 31. DOI: <https://doi.org/10.1212/WNL.0b013e3182a2cc15>
139. Furlan JC, Vergouwen MD, Fang J, Silver FL. **White blood cell count is an independent predictor of outcomes after acute ischaemic stroke.** *Eur J Neurol*. 2014; 21(2):215-22. Epub 2013 Jul 15. DOI: <https://doi.org/10.1111/ene.12233>
140. Khan NA, Quan H, Hill MD, Pilote L, McAlister FA, Palepu A, Shah BR, Zhou L, Zhen H, Kapral MK. **Risk factors, quality of care and prognosis in South Asian, East Asian and White patients with stroke.** *BMC Neurol*. 2013; 13:74. Epub 2013 Jul 5. DOI: <https://doi.org/10.1186/1471-2377-13-74>
141. Pringsheim T, Lam D, Day L, Genge A, Hogan DB, Shevell M, Fortin CM, Maxwell C, Fiebelkorn G, Barlow K, Kapral MK, Casha S, Mobach T, Johnston M, Jette N, Korngut L. **Validation and interpretation of neurological registry data.** *Can J Neurol Sci*. 2013; 40(4 Suppl 2):S51-3. DOI: <https://doi.org/10.1017/S0317167100017182>
142. Johnston M, Campbell C, Hayward R, Lowerison M, Noonan VK, Pfister T, Maxwell C, Fortin CM, Smith EE, Mah JK, Kapral MK, Jette N, Pringsheim T, Korngut L. **Registry data storage and curation.** *Can J Neurol Sci*. 2013; 40(4 Suppl 2):S35-40. DOI: <https://doi.org/10.1017/s0317167100017157>
143. Jette N, Atwood K, Hamilton M, Hayward R, Day L, Mobach T, Maxwell C, Fortin CM, Fiebelkorn G, Barlow K, Shevell M, Kapral MK, Casha S, Johnston M, Wiebe S, Korngut L, Pringsheim T. **Linkage between neurological registry data and administrative data.** *Can J Neurol Sci*. 2013; 40(4 Suppl 2):S32-4. DOI: <https://doi.org/10.1017/S0317167100017145>
144. Smith EE, Warner J, Johnston M, Atwood K, Hall R, Mah JK, Maxwell C, Fortin CM, Lowerison M, Kapral MK, Noonan VK, Pfister T, Mackean G, Casselman L, Pringsheim T, Jette N, Korngut L. **Neurological registry data collection methods and configuration.** *Can J Neurol Sci*. 2013; 40(4 Suppl 2):S27-31. DOI: <https://doi.org/10.1017/S0317167100017133>
145. Saposnik G, Cote R, Mamdani M, Raptis S, Thorpe KE, Fang J, Redelmeier DA, Goldstein LB. **JURASSiC: accuracy of clinician vs risk score prediction of ischemic**

- stroke outcomes.** *Neurology*. 2013; 81(5a):448-55. Epub 2013 Jun 28.
DOI: <https://doi.org/10.1212/WNL.0b013e31829d874e>
146. Atzema CL, Austin PC, Miller E, Chong AS, Yun L, Dorian P. **A population-based description of atrial fibrillation in the emergency department, 2002 to 2010.** *Ann Emerg Med*. 2013; 62(6):570-7. Epub 2013 Jun 27.
DOI: <https://doi.org/10.1016/j.annemergmed.2013.06.005>
147. Kapral MK, Reeves MJ. **Stroke: stroke fatality on weekends--a case for organized stroke care.** *Nat Rev Neurol*. 2013; 9(7):367-8. Epub 2013 Jun 11.
DOI: <https://doi.org/10.1038/nrneurol.2013.108>
148. Edjoc RK, Reid RD, Sharma M, Fang J; Registry of the Canadian Stroke Network. **The prognostic effect of cigarette smoking on stroke severity, disability, length of stay in hospital, and mortality in a cohort with cerebrovascular disease.** *J Stroke Cerebrovasc Dis*. 2013; 22(8):e446-54. Epub 2013 Jun 10.
DOI: <https://doi.org/10.1016/j.jstrokecerebrovasdis.2013.05.001>
149. Kapral MK, Fang J, Silver FL, Hall R, Stamplecoski M, O'Callaghan C, Tu JV. **Effect of a provincial system of stroke care delivery on stroke care and outcomes.** *CMAJ*. 2013; 185(10):E483-91. Epub 2013 May 27. DOI: <https://doi.org/10.1503/cmaj.121418>
150. Atzema CL, Dorian P, Ivers NM, Chong AS, Austin PC. **Evaluating early repeat emergency department use in patients with atrial fibrillation: a population-based analysis.** *Am Heart J*. 2013; 165(6):939-48. Epub 2013 Apr 12.
DOI: <https://doi.org/10.1016/j.ahj.2013.02.026>
151. Flowers HL, Silver FL, Fang J, Rochon E, Martino R. **The incidence, co-occurrence, and predictors of dysphagia, dysarthria, and aphasia after first-ever acute ischemic stroke.** *J Commun Disord*. 2013; 46(3):238-48. Epub 2013 Apr 12.
DOI: <https://doi.org/10.1016/j.jcomdis.2013.04.001>
152. Atzema CL, Austin PC, Chong AS, Dorian P. **Factors associated with 90-day death after emergency department discharge for atrial fibrillation.** *Ann Emerg Med*. 2013; 61(5):539-48. Epub 2013 Mar 20.
DOI: <https://doi.org/10.1016/j.annemergmed.2012.12.022>
153. Bussière M, Gupta M, Sharma M, Dowlatshahi D, Fang J, Dhar R; Investigators of the Registry of the Canadian Stroke Network. **Anaemia on admission is associated with more severe intracerebral haemorrhage and worse outcomes.** *Int J Stroke*. 2015; 10(3):382-7. Epub 2013 Mar 7. DOI: <https://doi.org/10.1111/ijs.1747-4949.2012.00951.x>
154. Nikneshan D, Raptis R, Pongmoragot J, Zhou L, Johnston SC, Saposnik G; Investigators of the Registry of the Canadian Stroke Network (RCSN); Stroke Outcomes Research Canada (SORCan) Working Group. **Predicting clinical outcomes and response to thrombolysis in acute stroke patients with diabetes.** *Diabetes Care*. 2013; 36(7):2041-7. Epub 2013 Jan 28. DOI: <https://doi.org/10.2337/dc12-2095>
155. Huang K, Khan N, Kwan A, Fang J, Yun L, Kapral MK. **Socioeconomic status and care after stroke: results from the Registry of the Canadian Stroke Network.** *Stroke*. 2013; 44(2):477-82. Epub 2013 Jan 15.
DOI: <https://doi.org/10.1161/STROKEAHA.112.672121>
156. Ní Chróinín D, Asplund K, Åsberg S, Callaly E, Cuadrado-Godia E, Díez-Tejedor E, Di Napoli M, Engelter ST, Furie KL, Giannopoulos S, Gotto AM Jr, Hannon N, Jonsson F, Kapral MK, Martí-Fàbregas J, Martínez-Sánchez P, Milionis HJ, Montaner J, Muscati A, Pikiela S, Probstfield J, Rost NS, Thrift AG, Vemmos K, Kelly PJ. **Statin therapy and**

- outcome after ischemic stroke: systematic review and meta-analysis of observational studies and randomized trials.** *Stroke*. 2013; 44(2):448-56. Epub 2013 Jan 3. DOI: <https://doi.org/10.1161/STROKEAHA.112.668277>
157. Shobha N, Fang J, Hill MD. **Do lacunar strokes benefit from thrombolysis? Evidence from the Registry of the Canadian Stroke Network.** *Int J Stroke*. 2013; 8(Suppl A100):45-9. Epub 2012 Dec 11. DOI: <https://doi.org/10.1111/j.1747-4949.2012.00932.x>
158. Saposnik G, Gladstone D, Raptis R, Zhou L, Hart RG; Investigators of the Registry of the Canadian Stroke Network (RCSN) and the Stroke Outcomes Research Canada (SORCan) Working Group. **Atrial fibrillation in ischemic stroke: predicting response to thrombolysis and clinical outcomes.** *Stroke*. 2013; 44(1):99-104. Epub 2012 Nov 20. DOI: <https://doi.org/10.1161/STROKEAHA.112.676551>
159. O'Donnell MJ, Fang J, D'Uva C, Saposnik G, Gould L, McGrath E, Kapral MK; Investigators of the Registry of the Canadian Stroke Network. **The PLAN score: a bedside prediction rule for death and severe disability following acute ischemic stroke.** *Arch Intern Med*. 2012; 172(20):1548-56.
DOI: <https://doi.org/10.1001/2013.jamainternmed.30>
160. Mittmann N, Seung SJ, Hill MD, Phillips SJ, Hachinski V, Coté R, Buck BH, Mackey A, Gladstone DJ, Howse DC, Shuaib A, Sharma M. **Impact of disability status on ischemic stroke costs in Canada in the first year.** *Can J Neurol Sci*. 2012; 39(6):793-800. DOI: <https://doi.org/10.1017/S0317167100015638>
161. Kapral MK, Fang J, Chan C, Alter DA, Bronskill SE, Hill MD, Manuel DG, Tu JV, Anderson GM. **Neighborhood income and stroke care and outcomes.** *Neurology*. 2012; 79(12):1200-7. Epub 2012 Aug 15.
DOI: <https://doi.org/10.1212/WNL.0b013e31826aac9b>
162. Krueger H, Lindsay P, Cote R, Kapral MK, Kaczorowski J, Hill MD. **Cost avoidance associated with optimal stroke care in Canada.** *Stroke*. 2012; 43(8):2198-206. Epub 2012 May 24. DOI: <https://doi.org/10.1161/STROKEAHA.111.646091>
163. McGrath ER, Kapral MK, Fang J, Eikelboom JW, Ó Conghaile A, Canavan M, O'Donnell MJ; Investigators of the Registry of the Canadian Stroke Network. **Which risk factors are more associated with ischemic stroke than intracerebral hemorrhage in patients with atrial fibrillation?** *Stroke*. 2012; 43(8):2048-54. Epub 2012 May 22.
DOI: <https://doi.org/10.1161/STROKEAHA.112.654145>
164. Saposnik G, Kapral MK, Cote R, Rochon PA, Wang J, Raptis S, Mamdani M, Black SE. **Is pre-existing dementia an independent predictor of outcome after stroke? A propensity score-matched analysis.** *J Neurol*. 2012; 259(11):2366-75. Epub 2012 Apr 25. DOI: <https://doi.org/10.1007/s00415-012-6508-4>
165. Vergouwen MD, Fang J, Casaubon LK, Kapral MK, Stamplecoski M, Robertson A, Silver FL; Investigators of the Registry of the Canadian Stroke Network. **A 5-item prediction rule to identify severe renal dysfunction in patients with acute stroke.** *AJNR Am J Neuroradiol*. 2012; 33(8):1449-54. Epub 2012 Apr 5.
DOI: <https://doi.org/10.3174/ajnr.A3013>
166. Dowlatshahi D, Demchuk AM, Fang J, Kapral MK, Sharma M, Smith EE; Registry of the Canadian Stroke Network. **Association of statins and statin discontinuation with poor outcome and survival after intracerebral hemorrhage.** *Stroke*. 2012; 43(6):1518-23. Epub 2012 Mar 22. DOI: <https://doi.org/10.1161/STROKEAHA.111.645978>

- 167.Cheung AM, Tile L, Cardew S, Pruthi S, Robbins J, Tomlinson G, Kapral MK, Khosla S, Majumdar S, Erlandson M, Scher J, Hu H, Demaras A, Lickley L, Bordeleau L, Elser C, Ingle J, Richardson H, Goss PE. **Bone density and structure in healthy postmenopausal women treated with exemestane for the primary prevention of breast cancer: a nested substudy of the MAP.3 randomised controlled trial.** *Lancet Oncol.* 2012; 13(3):275-84. Epub 2012 Feb 7. DOI: [https://doi.org/10.1016/S1470-2045\(11\)70389-8](https://doi.org/10.1016/S1470-2045(11)70389-8)
- 168.Saposnik G, Fang J, Kapral MK, Tu JV, Mamdani M, Austin P, Johnston SC; Investigators of the Registry of the Canadian Stroke Network (RCSN); Stroke Outcomes Research Canada (SORCan) Working Group. **The iScore predicts effectiveness of thrombolytic therapy for acute ischemic stroke.** *Stroke.* 2012; 43(5):1315-22. Epub 2012 Feb 3. DOI: <https://doi.org/10.1161/STROKEAHA.111.646265>
- 169.Meyer M, Murie-Fernandez M, Hall R, Liu Y, Fang J, Salter K, Foley N, Teasell R. **Assessing the impact of thrombolysis on progress through inpatient rehabilitation after stroke: a multivariable approach.** *Int J Stroke.* 2012; 7(6):460-4. Epub 2012 Jan 20. DOI: <https://doi.org/10.1111/j.1747-4949.2011.00729.x>
- 170.Yung D, Kapral MK, Asllani E, Fang J, Lee DS; Investigators of the Registry of the Canadian Stroke Network. **Reinitiation of anticoagulation after warfarin-associated intracranial hemorrhage and mortality risk: the Best Practice for Reinitiating Anticoagulation Therapy After Intracranial Bleeding (BRAIN) study.** *Can J Cardiol.* 2012; 28(1):33-9. Epub 2011 Dec 7. DOI: <https://doi.org/10.1016/j.cjca.2011.10.002>
- 171.Saposnik G, Cote R, Rochon PA, Mamdani M, Liu Y, Raptis S, Kapral MK, Black SE; Registry of the Canadian Stroke Network; Stroke Outcome Research Canada (SORCan) Working Group. **Care and outcomes in patients with ischemic stroke with and without preexisting dementia.** *Neurology.* 2011; 77(18):1664-73. Epub 2011 Oct 31. DOI: <https://doi.org/10.1212/WNL.0b013e31823648f1>
- 172.Saposnik G, Raptis S, Kapral MK, Liu Y, Tu JV, Mamdani M, Austin PC; Investigators of the Registry of the Canadian Stroke Network and the Stroke Outcome Research Canada Working Group. **The iScore predicts poor functional outcomes early after hospitalization for an acute ischemic stroke.** *Stroke.* 2011; 42(12):3421-8. Epub 2011 Sep 29. DOI: <https://doi.org/10.1161/STROKEAHA.111.623116>
- 173.Finlayson O, Kapral M, Hall R, Asllani E, Selchen D, Saposnik G; Canadian Stroke Network; Stroke Outcome Research Canada (SORCan) Working Group. **Risk factors, inpatient care, and outcomes of pneumonia after ischemic stroke.** *Neurology.* 2011; 77(14):1338-45. Epub 2011 Sep 21. DOI: <https://doi.org/10.1212/WNL.0b013e31823152b1>
- 174.Webster F, Saposnik G, Kapral MK, Fang J, O'Callaghan C, Hachinski V. **Organized outpatient care: stroke prevention clinic referrals are associated with reduced mortality after transient ischemic attack and ischemic stroke.** *Stroke.* 2011; 42(11):3176-82. Epub 2011 Sep 15. DOI: <https://doi.org/10.1161/STROKEAHA.111.621524>
- 175.Hackam DG, Austin PC, Huang A, Juurlink DN, Mamdani MM, Paterson JM, Hachinski V, Li P, Kapral MK. **Statins and intracerebral hemorrhage: a retrospective cohort study.** *Arch Neurol.* 2012; 69(1):39-45. Epub 2011 Sep 12. DOI: <https://doi.org/10.1001/archneurol.2011.228>
- 176.Vergouwen MD, Fang J, Casaubon LK, Stamplecoski M, Robertson A, Kapral MK, Silver FL; Investigators of the Registry of the Canadian Stroke Network. **Higher incidence of in-hospital complications in patients with clipped versus coiled ruptured**

- intracranial aneurysms.** *Stroke*. 2011; 42(11):3093-8. Epub 2011 Aug 25.
DOI: <https://doi.org/10.1161/STROKEAHA.111.619510>
- 177.Burke MJ, Vergouwen MD, Fang J, Swartz RH, Kapral MK, Silver FL, Casaubon LK; Investigators of the Registry of the Canadian Stroke Network. **Short-term outcomes after symptomatic internal carotid artery occlusion.** *Stroke*. 2011; 42(9):2419-24. Epub 2011 Jul 14. DOI: <https://doi.org/10.1161/STROKEAHA.111.615278>
- 178.Fang J, Kapral MK, Richards J, Robertson A, Stamplecoski M, Silver FL. **The Registry of Canadian Stroke Network: an evolving methodology.** *Acta Neurol Taiwan*. 2011; 20(2):77-84. PMID: [21739386](#)
- 179.O'Donnell MJ, Fang J, Mittleman MA, Kapral MK, Wellenius GA; Investigators of the Registry of Canadian Stroke Network. **Fine particulate air pollution (PM_{2.5}) and the risk of acute ischemic stroke.** *Epidemiology*. 2011; 22(3):422-31. DOI: <https://doi.org/10.1097/EDE.0b013e3182126580>
- 180.Saposnik G, Hassan KA, Selchen D, Fang J, Kapral MK, Smith EE; Investigators of the Registry of the Canadian Stroke Network for the Stroke Outcome Research Canada (SORCan – <http://www.sorcan.ca>) working group. **Stroke unit care: does ischemic stroke subtype matter?** *Int J Stroke*. 2011; 6(3):244-50. Epub 2011 Apr 18. DOI: <https://doi.org/10.1111/j.1747-4949.2011.00604.x>
- 181.Poynter B, Shuman M, Diaz-Granados N, Kapral M, Grace SL, Stewart DE. **Sex differences in the prevalence of post-stroke depression: a systematic review.** *Psychosomatics*. 2009; 50(6):563-9. Epub 2011 Apr 3. DOI: <https://doi.org/10.1176/appi.psy.50.6.563>
- 182.Herrmann N, Seitz D, Fischer H, Saposnik G, Calzavara A, Anderson G, Rochon P. **Detection and treatment of post stroke depression: results from the registry of the Canadian Stroke Network.** *Int J Geriatr Psychiatry*. 2011; 26(11):1195-200. Epub 2011 Mar 1. DOI: <https://doi.org/10.1002/gps.2663>
- 183.Vergouwen MD, Casaubon LK, Swartz RH, Fang J, Stamplecoski M, Kapral MK, Silver FL; Investigators of the Registry of the Canadian Stroke Network. **Subtherapeutic warfarin is not associated with increased hemorrhage rates in ischemic strokes treated with tissue plasminogen activator.** *Stroke*. 2011; 42(4):1041-5. Epub 2011 Feb 24. DOI: <https://doi.org/10.1161/STROKEAHA.110.599183>
- 184.Saposnik G, Kapral MK, Liu Y, Hall R, O'Donnell M, Raptis S, Tu JV, Mamdani M, Austin PC; Investigators of the Registry of the Canadian Stroke Network; Stroke Outcomes Research Canada (SORCan) Working Group. **IScore: a risk score to predict death early after hospitalization for an acute ischemic stroke.** *Circulation*. 2011; 123(7):739-49. Epub 2011 Feb 7. DOI: <https://doi.org/10.1161/CIRCULATIONAHA.110.983353>
- 185.Gould L, Petrovic R, O'Donnell MJ, Silva J, Lindsay MP, Fang J, Oczkowski W. **Association between time-to-presentation and clinical outcome in patients with subarachnoid hemorrhage: an observational study.** *Can J Neurosci Nurs*. 2011; 33(3):33-7. PMID: [22338211](#)
- 186.Kapral MK, Degani N, Hall R, Fang J, Saposnik G, Richards J, Silver FL, Robertson A, Bierman AS. **Gender differences in stroke care and outcomes in Ontario.** *Womens Health Issues*. 2011; 21(2):171-6. Epub 2010 Dec 24. DOI: <https://doi.org/10.1016/j.whi.2010.10.002>

187. Juurlink DN, Gomes T, Mamdani MM, Gladstone DJ, Kapral MK. **The safety of proton pump inhibitors and clopidogrel in patients after stroke.** *Stroke*. 2011; 42(1):128-32. Epub 2010 Dec 16. DOI: <https://doi.org/10.1161/STROKEAHA.110.596643>
188. Fang J, Saposnik G, Silver FL, Kapral MK; Investigators of the Registry of the Canadian Stroke Network. **Association between weekend hospital presentation and stroke fatality.** *Neurology*. 2010; 75(18):1589-96. Epub 2010 Nov 1. DOI: <https://doi.org/10.1212/WNL.0b013e3181fb84bc>
189. Udell JA, Wang JT, Gladstone DJ, Tu JV. **Anticoagulation after anterior myocardial infarction and the risk of stroke.** *PLoS One*. 2010; 5(8):e12150. Epub 2010 Aug 13. DOI: <https://doi.org/10.1371/journal.pone.0012150>
190. Smith EE, Hassan KA, Fang J, Selchen D, Kapral MK, Saposnik G; Registry of the Canadian Stroke Network (RCSN); Stroke Outcome Research Canada (SORCan) Working Group. **Do all ischemic stroke subtypes benefit from organized inpatient stroke care?** *Neurology*. 2010; 75(5):456-62. Epub 2010 Jun 30. DOI: <https://doi.org/10.1212/WNL.0b013e3181ebdd8d>
191. Khan NA, Yun L, Humphries K, Kapral M. **Antihypertensive drug use and adherence after stroke: are there sex differences?** *Stroke*. 2010; 41(7):1445-9. Epub 2010 May 27. DOI: <https://doi.org/10.1161/STROKEAHA.110.579375>
192. Shobha N, Sylaja PN, Kapral MK, Fang J, Hill MD; Investigators of the Registry of the Canadian Stroke Network. **Differences in stroke outcome based on sex.** *Neurology*. 2010; 74(9):767-71. Epub 2010 Mar 1. DOI: <https://doi.org/10.1212/WNL.0b013e3181d5275c>
193. Verma A, Gladstone DJ, Fang J, Chenkin J, Black SE, Verbeek PR. **Effect of online medical control on prehospital Code Stroke triage.** *CJEM*. 2010; 12(2):103-10. Epub 2015 May 21. DOI: <https://doi.org/10.1017/S1481803500012124>
194. Saposnik G, Redelmeier DA, Lu H, Lonn E, Fuller-Thomson E, Ray JG. **Risk of premature stroke in recent immigrants (PRESARIO): population-based matched cohort study.** *Neurology*. 2010; 74(6):451-7. Epub 2010 Feb 3. DOI: <https://doi.org/10.1212/WNL.0b013e3181cf6e9e>
195. Dickey L, Kagan A, Lindsay MP, Fang J, Rowland A, Black S. **Incidence and profile of inpatient stroke-induced aphasia in Ontario, Canada.** *Arch Phys Med Rehabil*. 2010; 91(2):196-202. DOI: <https://doi.org/10.1016/j.apmr.2009.09.020>
196. Rochette A, Korner-Bitensky N, Bishop D, Teasell R, White C, Bravo G, Côté R, Lachaine J, Green T, Lebrun LH, Lanthier S, Kapral M, Wood-Dauphinee S. **Study protocol of the YOU CALL--WE CALL TRIAL: impact of a multimodal support intervention after a "mild" stroke.** *BMC Neurol*. 2010; 10:3. DOI: <https://doi.org/10.1186/1471-2377-10-3>
197. Kapral MK, Ben-Yakov M, Fang J, Gladstone DJ, Saposnik G, Robertson A, Silver FL. **Gender differences in carotid imaging and revascularization following stroke.** *Neurology*. 2009; 73(23):1969-74. Epub 2009 Dec 7. DOI: <https://doi.org/10.1212/WNL.0b013e3181c55eae>
198. Gladstone DJ, Rodan LH, Sahlas DJ, Lee L, Murray BJ, Ween JE, Perry JR, Chenkin J, Morrison LJ, Beck S, Black SE. **A citywide prehospital protocol increases access to stroke thrombolysis in Toronto.** *Stroke*. 2009; 40(12):3841-4. Epub 2009 Oct 29. DOI: <https://doi.org/10.1161/STROKEAHA.108.540377>

199. Dowlatshahi D, Hakim A, Fang J, Sharma M; Investigators of the Registry of the Canadian Stroke Network. **Pre admission antithrombotics are associated with improved outcomes following ischaemic stroke: a cohort from the Registry of the Canadian Stroke Network.** *Int J Stroke.* 2009; 4(5):328-34. Epub 2009 Oct 1.
DOI: <https://doi.org/10.1111/j.1747-4949.2009.00331.x>
200. Hackam DG, Kapral MK, Wang JT, Fang J, Hachinski V. **Most stroke patients do not get a warning: a population-based cohort study.** *Neurology.* 2009; 73(13):1074-6. Epub 2009 Sep 28. DOI: <https://doi.org/10.1212/WNL.0b013e3181b9c8e5>
201. Saposnik G, Black SE, Hakim A, Fang J, Tu JV, Kapral MK; Investigators of the Registry of the Canadian Stroke Network (RCSN); Stroke Outcomes Research Canada (SORCan) Working Group. **Age disparities in stroke quality of care and delivery of health services.** *Stroke.* 2009; 40(10):3328-35. Epub 2009 Aug 20.
DOI: <https://doi.org/10.1161/STROKEAHA.109.558759>
202. Saposnik G, Kapral MK, Coutts SB, Fang J, Demchuk AM, Hill MD; Investigators of the Registry of the Canadian Stroke Network (RCSN) for the Stroke Outcome Research Canada (SORCan) Working Group. **Do all age groups benefit from organized inpatient stroke care?** *Stroke.* 2009; 40(10):3321-7. Epub 2009 Jul 30.
DOI: <https://doi.org/10.1161/STROKEAHA.109.554907>
203. Burneo JG, Fang J, Saposnik G; Investigators of the Registry of the Canadian Stroke Network. **Impact of seizures on morbidity and mortality after stroke: a Canadian multi-centre cohort study.** *Eur J Neurol.* 2010; 17(1):52-8. Epub 2009 Jul 21.
DOI: <https://doi.org/10.1111/j.1468-1331.2009.02739.x>
204. Liao J, O'Donnell MJ, Silver FL, Thiruchelvam D, Saposnik G, Fang J, Gould L, Mohamed N, Kapral MK; Investigators of the Registry of the Canadian Stroke Network. **In-hospital myocardial infarction following acute ischaemic stroke: an observational study.** *Eur J Neurol.* 2009; 16(9):1035-40. Epub 2009 Jul 9.
DOI: <https://doi.org/10.1111/j.1468-1331.2009.02647.x>
205. Chenkin J, Gladstone DJ, Verbeek PR, Lindsay P, Fang J, Black SE, Morrison L. **Predictive value of the Ontario prehospital stroke screening tool for the identification of patients with acute stroke.** *Prehosp Emerg Care.* 2009; 13(2):153-9. Epub 2009 Jul 2. DOI: <https://doi.org/10.1080/10903120802706146>
206. Gladstone DJ, Oh J, Fang J, Lindsay P, Tu JV, Silver FL, Kapral MK. **Urgency of carotid endarterectomy for secondary stroke prevention: results from the Registry of the Canadian Stroke Network.** *Stroke.* 2009; 40(8):2776-82. Epub 2009 Jun 18.
DOI: <https://doi.org/10.1161/STROKEAHA.109.547497>
207. Saposnik G, Black S; Stroke Outcome Research Canada (SORCan) Working Group. **Stroke in the very elderly: hospital care, case fatality and disposition.** *Cerebrovasc Dis.* 2009; 27(6):537-43. Epub 2009 Apr 24.
DOI: <https://doi.org/10.1159/000214216>
208. Hodgson C, Lindsay P, Rubini F. **Using paid mass media to teach the warning signs of stroke: the long and the short of it.** *Health Promot J Austr.* 2009; 20(1):58-64. Epub 2009 Apr 1. DOI: <https://doi.org/10.1071/he09058>
209. Subramanian G, Silva J, Silver FL, Fang J, Kapral MK, Oczkowski W, Gould L, O'Donnell MJ; Investigators of the Registry of the Canadian Stroke Network. **Risk factors for posterior compared to anterior ischemic stroke: an observational study of the Registry of the Canadian Stroke Network.** *Neuroepidemiology.* 2009; 33(1):12-6. Epub 2009 Mar 20. DOI: <https://doi.org/10.1159/000209282>

210. Saposnik G, Kapral MK. Stroke Outcome Research Canada Working Group. **Understanding stroke in women: similar care, worse outcomes?** *Stroke*. 2009; 40(3):674-5. Epub 2008 Dec 31.
DOI: <https://doi.org/10.1161/STROKEAHA.108.531830>
211. Casaubon LK, Saltman A, Peeva V, Ennis M, Lam N, Silver FL, Kapral MK. **Variability in physician care practices for glucose treatment in stroke patients.** *Can J Neurol Sci*. 2008; 35(5):573-82. DOI: <https://doi.org/10.1017/s0317167100009355>
212. Saposnik G, Jeerakathil T, Selchen D, Baibergenova A, Hachinski V, Kapral MK; Stroke Outcome Research Canada Working Group. **Socioeconomic status, hospital volume, and stroke fatality in Canada.** *Stroke*. 2008; 39(12):3360-6. Epub 2008 Sep 4.
DOI: <https://doi.org/10.1161/STROKEAHA.108.521344>
213. Gladstone DJ, Bui E, Fang J, Laupacis A, Lindsay MP, Tu JV, Silver FL, Kapral MK. **Potentially preventable strokes in high-risk patients with atrial fibrillation who are not adequately anticoagulated.** *Stroke*. 2009; 40(1):235-40. Epub 2008 Aug 28.
DOI: <https://doi.org/10.1161/STROKEAHA.108.516344>
214. O'Donnell MJ, Kapral MK, Fang J, Saposnik G, Eikelboom JW, Oczkowski W, Silva J, Gould L, D'Uva C, Silver FL; Investigators of the Registry of the Canadian Stroke Network. **Gastrointestinal bleeding after acute ischemic stroke.** *Neurology*. 2008; 71(9):650-5. Epub 2008 Aug 6.
DOI: <https://doi.org/10.1212/01.wnl.0000319689.48946.25>
215. Saposnik G, Fang J, O'Donnell M, Hachinski V, Kapral MK, Hill MD; Investigators of the Registry of the Canadian Stroke Network (RCSN) for the Stroke Outcome Research Canada (SORCan) Working Group. **Escalating levels of access to in-hospital care and stroke mortality.** *Stroke*. 2008; 39(9):2522-30. Epub 2008 Jul 10.
DOI: <https://doi.org/10.1161/STROKEAHA.107.507145>
216. Saposnik G, Hill MD, O'Donnell M, Fang J, Hachinski V, Kapral MK; Registry of the Canadian Stroke Network for the Stroke Outcome Research Canada (SORCan) Working Group. **Variables associated with 7-day, 30-day, and 1-year fatality after ischemic stroke.** *Stroke*. 2008; 39(8):2318-24. Epub 2008 Jun 19.
DOI: <https://doi.org/10.1161/STROKEAHA.107.510362>
217. Gladstone DJ, Blakely J, Dorian P, Spring M, Fang J, Silver FL, Kapral MK, EMBRACE Pilot Study Group. **Detecting paroxysmal atrial fibrillation after ischemic stroke and transient ischemic attack: if you don't look, you won't find.** *Stroke*. 2008; 39(5):e78-9. Epub 2008 Apr 3. DOI: <https://doi.org/10.1161/STROKEAHA.107.513002>
218. Reid JM, Dai D, Gubitz GJ, Kapral MK, Christian C, Phillips SJ. **Gender differences in stroke examined in a 10-year cohort of patients admitted to Canadian teaching hospital.** *Stroke*. 2008; 39(4):1090-5. Epub 2008 Feb 21.
DOI: <https://doi.org/10.1161/STROKEAHA.107.495143>
219. Cameron JI, Rappolt S, Lewis M, Lyons R, Warner G, Silver F. **Development and implementation of the Ontario Stroke System: the use of evidence.** *Int J Integr Care*. 2007; 7:e30. Epub 2007 Aug 22. DOI: <https://doi.org/10.5334/ijic.201>
220. Hodgson C, Lindsay P, Rubini F. **Can mass media influence emergency department visits for stroke?** *Stroke*. 2007; 38(7):2115-22. Epub 2007 May 31.
DOI: <https://doi.org/10.1161/STROKEAHA.107.484071>
221. Silver FL, Kapral MK, Lindsay MP, Tu JV, Richards JA; Registry of the Canadian Stroke Network. **International experience in stroke registries: lessons learned in**

- establishing the Registry of the Canadian Stroke Network.** *Am J Prev Med.* 2006; 31(6 Suppl 2):S235-7. DOI: <https://doi.org/10.1016/j.amepre.2006.08.023>
222. Lewis M, Trypuc J, Lindsay P, O'Callaghan C, Dishaw A. **Has Ontario's Stroke System really made a difference?** *Healthc Q.* 2006; 9(4):50-9.
DOI: <https://doi.org/10.12927/hcq..18407>
223. O'Donnell M, Oczkowski W, Fang J, Kearon C, Silva J, Bradley C, Guyatt G, Gould L, D'Uva C, Kapral M, Silver F; Investigators of the Registry of the Canadian Stroke Network. **Preadmission antithrombotic treatment and stroke severity in patients with atrial fibrillation and acute ischaemic stroke: an observational study.** *Lancet Neurol.* 2006; 5(9):749-54. Epub 2006 Aug 2. DOI: [https://doi.org/10.1016/S1474-4422\(06\)70536-1](https://doi.org/10.1016/S1474-4422(06)70536-1)
224. Nadeau JO, Phillips S, Shi HS, Kapral MK, Gladstone DJ, Silver FL, Hill MD; Investigators for the Registry of the Canadian Stroke Network. **Intracerebral hemorrhage: outcomes and eligibility for factor VIIa treatment in a national stroke registry.** *Cerebrovasc Dis.* 2006;22(4):271-5. Epub 2006 Jun 20.
DOI: <https://doi.org/10.1159/000094015>
225. Dowlatshahi D, Fang J, Kawaja M, Hakim A. **Use of calcium channel blockers after stroke is not associated with poor outcome: a cohort from the Registry of the Canadian Stroke Network.** *J Neurol.* 2006; 253(11):1478-83. Epub 2006 Jun 19.
DOI: <https://doi.org/10.1007/s00415-006-0249-1>
226. Willison DJ, Kapral MK, Peladeau P, Richards JA, Fang J, Silver FL. **Variation in recruitment across sites in a consent-based clinical data registry: lessons from the Canadian Stroke Network.** *BMC Med Ethics.* 2006; 7:E6. Epub 2006 May 23.
DOI: <https://doi.org/10.1186/1472-6939-7-6>
227. Waite K, Silver F, Jaigobin C, Black S, Lee L, Murray B, Danyliuk P, Brown EM. **Telestroke: a multi-site, emergency-based telemedicine service in Ontario.** *J Telemed Telecare.* 2006; 12(3):141-5. PMID: [16638235](https://pubmed.ncbi.nlm.nih.gov/16638235/)
228. Nadeau JO, Shi S, Fang J, Kapral MK, Richards JA, Silver FL, Hill MD; Investigators for the Registry of the Canadian Stroke Network. **tPA use for stroke in the Registry of the Canadian Stroke Network.** *Can J Neurol Sci.* 2005; 32(4):433-9. Epub 2014 Dec 2.
DOI: <https://doi.org/10.1017/s0317167100004418>
229. Di Legge S, Fang J, Saposnik G, Hachinski V. **The impact of lesion side on acute stroke treatment.** *Neurology.* 2005; 65(1):81-6. Epub 2005 Jul 11.
DOI: <https://doi.org/10.1212/01.wnl.0000167608.94237.aa>
230. Nadeau JO, Fang J, Kapral MK, Silver FL, Hill MD; Registry of the Canadian Stroke Network. **Outcome after stroke upon awakening.** *Can J Neurol Sci.* 2005; 32(2):232-6. Epub 2014 Dec 2. DOI: <https://doi.org/10.1017/s0317167100004029>
231. Kapral MK, Fang J, Hill MD, Silver F, Richards J, Jaigobin C, Cheung AM; Investigators of the Registry of the Canadian Stroke Network. **Sex differences in stroke care and outcomes: results from the Registry of the Canadian Stroke Network.** *Stroke.* 2005; 36(4):809-14. Epub 2005 Feb 24.
DOI: <https://doi.org/10.1161/01.STR.0000157662.09551.e5>
232. Lindsay MP, Kapral MK, Gladstone D, Holloway R, Tu JV, Laupacis A, Grimshaw JM. **The Canadian Stroke Quality of Care Study: establishing indicators for optimal acute stroke care.** *CMAJ.* 2005; 172(3):363-5. Epub 2005 Feb 1.
DOI: <https://doi.org/10.1503/cmaj.045310>

233. Kapral MK, Laupacis A, Phillips SJ, Silver FL, Hill MD, Fang J, Richards J, Tu JV; Investigators of the Registry of the Canadian Stroke Network. **Stroke care delivery in institutions participating in the Registry of the Canadian Stroke Network.** *Stroke*. 2004; 35(7):1756-62. Epub 2004 May 13.
DOI: <https://doi.org/10.1161/01.STR.0000130423.50191.9f>
234. Tu JV, Willison DJ, Silver FL, Fang J, Richards JA, Laupacis A, Kapral MK; Investigators in the Registry of the Canadian Stroke Network. **Impracticability of informed consent in the Registry of the Canadian Stroke Network.** *N Engl J Med*. 2004; 350(14):1414-21. Epub 2004 Apr 1. DOI: <https://doi.org/10.1056/NEJMsa031697>
235. Gladstone DJ, Kapral MK, Fang J, Laupacis A, Tu JV. **Management and outcomes of transient ischemic attacks in Ontario.** *CMAJ*. 2004; 170(7):1099-104. Epub 2004 Mar 30. DOI: <https://doi.org/10.1503/cmaj.1031349>