

Peer-reviewed articles accepted and published in 2023 (by first author alphabetical)

1. Budhraj, S., Doborjeh, M., Singh, B., Tan, S., Doborjeh, Z., Lai, E., . . . Kasabov, N. (**Merkin, A.G. as co-author**) (2023). Filter and Wrapper Stacking Ensemble (FWSE): A robust approach for reliable biomarker discovery in high-dimensional omics data. *Briefings in Bioinformatics*, 24(6).
2. Cuong, T. Q., Cervin, M., Numbers, K., Choo, C. C., Bentvelzen, A. C., **Merkin, A. G.**, . . . Medvedev, O. N. (**Feigin, V.L. as co-author**) (2023). Using network analysis to validate domains of the modified telephone interview for cognitive status. *European Journal of Clinical Investigation*, 53(9), e14016.
3. Denison, H., Corbin, M., Douwes, J., Thompson, S., Harwood, M., Davis, A., . . . Ranta, A. (**Feigin, V.L. as co-author**) (2023). Ethnic differences in stroke outcomes in Aotearoa New Zealand: A national linkage study. *International Journal of Stroke*, 18(6), 663-671.
4. Doborjeh, M., Doborjeh, Z., **Merkin, A.**, **Krishnamurthi, R.**, Enayatollahi, R., **Feigin, V.**, & Kassabov, N. (2023). Personalised spiking neural network models of clinical and environmental factors to predict stroke. *Cognitive Computation*, 14, 2187-2202.
5. Doborjeh, Z., Doborjeh, M., Sumich, A., Singh, B., **Merkin, A.**, Budhraj, S., Kasabov, N. (2023). Investigation of social and cognitive predictors in non-transition ultra-high-risk individuals for psychosis using spiking neural networks. *Schizophrenia*, 9(10).
6. Dudley, M., Olsen, S., Reihana, C., King, M., Spooner, H., Cullum, S., . . . Yates, S. (**Merkin, A. as co-author**) (2023). Te Ōranga Ō Te Roro: Kaumātua perspectives on the development of a mobile app for mate wareware (dementia) awareness. *New Zealand Medical Journal*, 136(1586), 73-83.
7. **Feigin, V. L.**, **Krishnamurthi, R.**, Medvedev, O., **Merkin, A.**, **Nair, B.**, Kravchenko, M., . . . Mahawish, K. (**Jalili Moghaddam, S.**, **Dyer, J.**, **Bhatia, A. as co-authors**) (2023). Usability and feasibility of PreventS-MD webapp for stroke prevention. *International Journal of Stroke*, 19(1), 94-104.
8. **Feigin, V.**, Martins, S., Brainin, M., Norrving, B., Kamenova, S., Giniyat, A., . . . Hankey, G. J. (2023). Twenty years on from the introduction of the high-risk strategy for stroke and cardiovascular disease prevention: A systematic scoping review. *European Journal of Neurology*. doi:10.1111/ene.16157
9. Feigin, S. V., Wiebers, D. O., Lueddeke, G., Morand, S., Lee, K., Knight, A., . . . Winkler, A. S. (**Feigin, V.L. as co-author**) (2023). Proposed solutions to anthropogenic climate change: A systematic literature review and a new way forward. *Heliyon*, 9(10).
10. **Feigin, V. L.**, Owolabi, M. O., & World Stroke Organization–Lancet Neurology Commission Stroke Collaboration Group. (**Krishnamurthi, R.** as co-author) (2023). Pragmatic solutions to reduce the global burden of stroke: A World Stroke Organization-Lancet Neurology Commission. *The Lancet Neurology*, 22(12), 1160-1206.
11. Gall, S., **Feigin, V. L.**, Thrift, A. G., Kleinig, T., Cadilhac, D., Bennett, D., . . . **Krishnamurthi, R. (Jalili Moghaddam, S. as co-author)** (2023). Personalised knowledge to reduce the risk of stroke (PERKS-International): Protocol for a randomised controlled trial. *International Journal of Stroke*, 18(4), 477-483.
12. Gangadharan, S., Tomari, S., Levi, C. R., Weaver, N., Holliday, E., Bajorek, B., . . . Magin, P. (**Feigin, V.L. as co-author**) (2023). Rural versus metropolitan comparison of processes of care in the community-based management of TIA and minor stroke in Australia (an analysis from the INSIST study). *Australian Journal of Rural Health*, 31(2), 274-284.
13. Holder, C., **Krishnamurthi, R.**, & **Theadom, A.** (2023). Exploring facilitators and barriers to long-term behavior change following health–wellness coaching for stroke prevention: A qualitative study conducted in Auckland, New Zealand. *Brain and Behavior*, 13(1), e2671.
14. Hyder, A.A., Rylance, S., Al Saegh, A., **Feigin, V.L.**, Kataia, I., Laatikainen, T., WHO NCD R&I TAG. (2023). Strengthening evidence to inform health systems: opportunities for the WHO and partners to accelerate progress on non-communicable diseases, *BMJ Global Health*, 8, e013994.
15. Khan, T., Moran, A. E., Perel, P., Whelton, P. K., Brainin, M., **Feigin, V.**, . . . Mikkelsen, B. (2023). The HEARTS partner forum—supporting implementation of HEARTS to treat and control hypertension. *Frontiers in Public Health*, 11.
16. Kim, J., Cadilhac, D. A., Thompson, S., Gommans, J., Davis, A., Barber, P. A., . . . Ranta, A. (**Feigin, V.L. as co-author**) (2023). Comparison of stroke care costs in urban and nonurban hospitals and its association with outcomes in New Zealand: A nationwide economic evaluation. *Stroke*, 54(3), 848-856.

17. Kim, J., Olaiya, M. T., De Silva, D. A., Norrving, B., Bosch, J., Aguiar de Sousa, D., . . . Cadilhac, D. (**Feigin, V.L. as co-author**) (2023). Global Stroke Statistics 2023: Availability of reperfusion services around the world. *International Journal of Stroke*. doi:10.1177/17474930231210448
18. Martinez-Ruiz, A., Yates, S., Cheung, G., Cullum, S., Dudley, M., **Krishnamurthi, R.**, . . . Rivera Rodriguez, C. (2023). Living with Dementia in Aotearoa (LiDiA): A feasibility study for a dementia prevalence study in Māori and non-Māori living in New Zealand. *Dementia (London)*.
19. Mensah, G. A., Fuster, V., Murray, C. J. L., Roth, G. A., Abate, Y. H., Abbasian, M., . . . Artamonov, A. A. (**Feigin V.L. as co-author**) (2023). Global burden of cardiovascular diseases and risks, 1990-2022. *Journal of the American College of Cardiology*, 82(25), 2350-2473.
20. **Merkin, A.**, Akinfiyeva, S., Medvedev, O. N., **Krishnamurthi, R. V.**, Gutsaluk, A., Reips, U. -D., . . . **Feigin, V. L.** (2023). A pilot study of application of the Stroke Riskometer mobile app for assessment of the course and clinical outcomes of COVID-19 among hospitalised patients. *Cerebrovascular Diseases Extra*, 13(1), 47-55.
21. Mikolić, A., Steyerberg, E. W., Polinder, S., Wilson, L., Zeldovich, M., von Steinbueche, N., . . . Huijben, J. (**Feigin, V.L. & Jones, K.** as co-authors) (2023). Prognostic models for global functional outcome and post-concussion symptoms following Mild Traumatic Brain Injury: A Collaborative European NeuroTrauma Effectiveness Research in Traumatic Brain Injury (CENTER-TBI) study. *Journal of Neurotrauma*, 40(15-16), 1651-1670.
22. Mulligan, T., Barker-Collo, S., Gibson, K., & **Jones, K.** (2023). You only get one brain: Adult reflections on coping and recovery after traumatic brain injury in adolescence. *Brain Injury*, 37(11), 1221-1230.
23. Owolabi, M. O., Leonardi, M., Bassetti, C., Jaarsma, J., Hawrot, T., Makanjuola, A. I., . . . Servadei, F. (**Feigin, V.L. as co-author**) (2023). Global synergistic actions to improve brain health for human development. *Nature Reviews Neurology*, 19, 371-383.
24. Reiner, R. C., Welgan, C. A., Troeger, C. E., Baumann, M. M., Weiss, D. J., Deshpande, A., . . . Gebrekrstos, H. G. G. K. (**Feigin, V.L. as co-author**) (2022). The overlapping burden of the three leading causes of disability and death in sub-Saharan African children. *Nature Communications*, 13(1).
25. **Theadom, A.**, **Jones, K.**, Starkey, N., Barker-Collo, S., Ameratunga, S., Faulkner, J., . . . **Feigin, V.** (2023). Symptoms and engagement in anti-social behaviour 10 years following mild traumatic brain injury within a community civilian sample: A prospective cohort study with age-sex matched control group. *Archives of Physical Medicine and Rehabilitation*. doi:10.1016/j.apmr.2023.07.016Xx.
26. Thompson, S., Levack, W., Douwes, J., Girvan, J., Abernethy, G., Barber, P. A., . . . Ranta, A. (**Feigin, V.L. as co-author**) (2023). Patient, carer and health worker perspectives of stroke care in New Zealand: A mixed methods survey. *Disability and Rehabilitation*, 45(18), 2957-2963.
27. Truong, Q. C., Choo, C., Numbers, K., Bentvelzen, A., **Merkin, A. G.**, Brodaty, H., . . . Medvedev, O. N. (**Feigin, V.L. as co-author**) (2023). Enhancing precision of the Telephone Interview for Cognitive Status-Modified (TICS-M) using the Rasch model. *Psychological Assessment*, 35(7), 559-571.
28. van Essen, T. A., van Erp, I. A. M., Lingsma, H. F., Pisciă, D., Yue, J. K., Singh, R. D., . . . Gravesteyn, B. (**Feigin, V.L. & Jones, K. as co-authors**) (2023). Comparative effectiveness of decompressive craniectomy versus craniotomy for traumatic acute subdural hematoma (CENTER-TBI): An observational cohort study. *eClinicalMedicine*, 63, 102161.
29. Youens, D., Katzenellenbogen, J., Srinivasa Ragavan, R., Sodhi-Berry, N., Carson, J., Zemedikun, D., . . . Nedkoff, L. (**Feigin, V.L. as co-author**) (2023). Differing definitions of first-ever stroke influence incidence estimates more than trends: A study using linked administrative data. *Neuroepidemiology*, 57(6), 423-432.

Conference contributions (excluding invited presentations – see section 6)

1. **Bhatia, A., Dyer, J., Nair, B.,** Ratnasabapathy, Y., Skinner, L., Wan, J., . . . **Feigin, V. (Merkin, A.G. & Krishnamurthi, R. as co- authors)** (2023). A clinicians' and patients' survey to examine PreventS-MD software usability for Primary Stroke Prevention (PRIME). In *Te Whatu Ora - Waitematā, University of Auckland and AUT Collaborative Research Symposium 2023*. Auckland, New Zealand, May 22. *New Zealand Medical Journal*, 136 (pp. 99).
2. **Bhatia, A., Nair, B.,** Kravchenko, M., Dahiya, E., **Krishnamurthi, R.,** Corbett, S., . . . **Feigin, V.** (2023). Strategies for individualised prevention of stroke and other non-communicable diseases: Tracing the journey of PreventS-MD from inception to commercialisation. In *Health Informatics New Zealand Conference*. Hamilton, New Zealand, November 27-30.
3. Dahiya, E., **Bhatia, A., Nair, B.,** Kravchenko, M., Ratnasabapathy, Y., Henry, N., . . . **Feigin, V. (Krishnamurthi, R. as co-author)** (2023). Connecting stroke care continuum: Journey from mobile app to web-based software for integrated care. In *MedSci Symposium 2023*. Queenstown, New Zealand, August 28-30.
4. **De Silva, S.,** Van Kessel, K., **Bhatia, A., Krishnamurthi, R.,** Barker-Collo, S., **Feigin, V., . . . Jones, K.** (2023). Patients', therapists' and caregivers' experiences of a group education programme for the management of post-stroke fatigue: A qualitative sub-study of the FASTER randomised controlled trial. In *The Joint Annual Meeting of the Stroke Society of Australasia (SSA) and Smartstrokes 2023*. Melbourne, Australia, August 22-25.
5. Engelking, T., Mihsein, J., **Jones, K.,** & Adlam, A. (2023). The effects of the COVID-19 pandemic on children and young people with acquired brain injuries: A quantitative and qualitative study. In *20th Neuropsychological Rehabilitation Special Interest Group of The World Federation for NeuroRehabilitation (NR-SIG-WFNR) Conference*. Glasgow: UK. June 7-9.
6. **Feigin, V.** (2023). Understanding and interpretation of the Global Burden of Disease (GBD) study estimates on neurological disorders. In *World Congress of Neurology*. Montreal, Canada, October 15-19.
7. **Feigin, V.** (2023). A double-blind, placebo-controlled, randomised, multi-centre, phase III study of MLC901 (Neuroaid) for the treatment of cognitive impairment after mild traumatic brain injury. In *World Congress of Neurology*. Montreal, Canada, October 15-19.
8. **Feigin, V.** (2023). Global stroke epidemiology and projections, costs, and prevention strategies. In *15th World Stroke Congress*. Toronto, Canada, October 10-12.
9. **Feigin, V.** (2023). Global, regional and national burden of neurological disorders: GBD study 1990-2021. In *Neurological Association of New Zealand Conference*. Christchurch, New Zealand, November 9-10.
10. **Feigin, V.,** Martins, S., Brainin, M., Norrving, B., & Hankey, G. J. (2023). 20 years on from the introduction of the high-risk strategy for stroke and cardiovascular disease prevention: Lessons learned. In *15th World Stroke Congress*. Toronto, Canada, October 10-12. *International Journal of Stroke*, 18(S3), (pp. 310).
11. **Feigin, V., Nair, B., Krishnamurthi, R.,** Kravchenko, M., & **Merkin, A.** (2023). Digital solutions for stroke prevention. In *HealthTech Week Te Titoki Mataora (TTM) forum*. Auckland, New Zealand, June 28.
12. Gall, S., **Feigin, V.,** Thrift, A. G., Kleinig, T., Cadilhac, D., Bennett, D., . . . **Krishnamurthi, R. V. (Jalili Moghaddam, S. as co-author)** (2023). Baseline characteristics of participants in the Personalised Knowledge to Reduce the Risk of Stroke (PERKS international) randomised controlled trial. In *15th World Stroke Congress*. Toronto, Canada, October 10-12. *International Journal of Stroke*, 18(S3) (pp. 448).
13. **Jalili-Moghaddam, S., Krishnamurthi, R.,** Kitsos, G., **Merkin, A.,** Zeng, I., **Feigin, V.L.** & Gall, S.L. (2023). Baseline lifestyle and biomedical stroke risk factors among New Zealand participants in the PERsonalised Knowledge to reduce the risk of Stroke (PERKS-International) randomised controlled trial – preliminary results. In *Joint Conference of the Nutrition Societies of New Zealand and Australia*. Auckland, New Zealand, November 28 - December 1.
14. **Jones, K., Feigin, V., Krishnamurthi, R.,** Barker-Collo, S., Te Ao, B., Zeng, I., . . . Ratnasabapathy, Y. (**De Silva, S. as co-author**) (2023). Fatigue After STroke Educational Recovery (FASTER) programme: A prospective, multi-centre, single blinded, phase 3 randomised controlled trial. In *The Joint Annual Meeting of the Stroke Society of Australasia (SSA) and Smartstrokes 2023*. Melbourne, Australia, August 22-25.

15. Kondybayeva, A., Bapayeva, M., Mussimkhan, M., Akhmetova, K., Zhanuzakov, M., Yevlakhina, I., . . . **Nair, B. S. (Feigin, V.L. & Merkin, A.G. as co-authors)** (2023). PreventS-MD for Kazakhstan: Prevention of stroke and cardiovascular disease. In *15th World Stroke Congress*. Toronto, Canada, October 10-12. *International Journal of Stroke*, 18(S3) (pp. 310-311).
16. **Krishnamurthi, R., De Silva, S., Dyer, J., Nair, B. S.,** Barker-Collo, S., Ratnasabapathy, Y., . . . **Feigin, V. L.** (2023). Protocol for trial of an individualised intervention for the prevention of stroke (TIIPS). In 15th World Stroke Congress, Toronto, Canada, October 10-12. *International Journal of Stroke*, 18(S3) (pp. 313).
17. **Krishnamurthi, R., Jalili Moghaddam, S., Feigin, V. L.,** Rothwell, P., Pendlebury, S., Fonseca, A. G. C., & Bernhardt, J. (2023). Stroke research funding versus burden of disease project (STARBUDD): Preliminary updates. In *15th World Stroke Congress*. Toronto, Canada, October 10-12. *International Journal of Stroke*, 18(S3) (pp. 405).
18. **Krishnamurthi, R., Nair, B. S.,** Barber, P. A., Ratnasabapathy, Y., Arroll, B., Anderson, C., . . . **Feigin, V. L.** (2023). Trends in stroke incidence and outcomes over five decades: Preliminary findings from ARCOS studies. In 15th World Stroke Congress, Toronto, Canada, October 10-12. *International Journal of Stroke*, 18(S3) (pp. 367).
19. **Krishnamurthi, R., Nair, B., Dyer, J.,** Verma, A., **Bhatia, A.,** Dahiya, E., . . . **Feigin, V.** (2023). Changes in hospital admission for stroke: Findings from the ARCOS studies (1981-2022). In *Te Whatu Ora - Waitematā, University of Auckland and AUT Collaborative Research Symposium 2023*. Auckland, New Zealand, May 22.
20. **Krishnamurthi, R., Nair, B.,** Ratnasabapathy, Y., Ranta, A., Barber, A., Barker-Collo, S., . . . **Feigin, V. L.** (2023). Changes in stroke incidence among major ethnic groups in New Zealand between 1981- 2021. In *The Joint Annual Meeting of the Stroke Society of Australasia (SSA) and Smartstrokes 2023*. Melbourne, Australia, August 22-25.
21. **Merkin, A.,** Akinfieva, S., **Krishnamurthi, R.,** Medvedev, O., Gutsaluk, A., Kuliev, R., . . . **Feigin, V. L.** (2023). Application of the Stroke Riskometer mobile app for prediction of the course and clinical outcomes of COVID-19 disease. In *15th World Stroke Congress*. Toronto, Canada, October 10-12. *International Journal of Stroke*, 18(S3) (pp. 453-454).
22. **Nair, B., Krishnamurthi, R., Bhatia, A.,** Medvedev, O., **Merkin, A., Dyer, J., . . . Feigin, V. (Jalili Moghaddam, S. as co-author)** (2023). Evaluating health care professionals' and patients' perceptions of digital solutions for stroke prevention. In *The Joint Annual Meeting of the Stroke Society of Australasia (SSA) and Smartstrokes 2023*. Melbourne, Australia, August 22-25.
23. **Nair, B., Krishnamurthi, R. V.,** Medvedev, O., **Merkin, A.,** Kravchenko, M., **Jalili Moghaddam, S., . . . Feigin, V. L. (Bhatia, A., & Dyer, J. as co-authors)** (2023). Practical solutions to assist clinicians to prevent stroke and cardiovascular disease at the individual level: The international study in 27 countries. In *15th World Stroke Congress*. Toronto, Canada, October 10-12. *International Journal of Stroke*, 18(S3) (pp. 130).

Chapters

1. Bisht, R., Menon, S., & **Nair B.** (2023). COVID-19 and health workforce in India: Time for radical change? In C. Sharma, & R. Bannerjee (Eds.), *Coronasphere: Narratives on COVID 19 from India and its neighbours* (pp. 63-77). London, UK: Taylor & Francis.
2. Wade, S. L., Gies, L. M., Adlam, A. R., Bardoni, A., Corti, C., **Jones, K., . . . Williams, T.** (2023). Pediatric rehabilitation. In G. G. Brown, B. Crosson, K. Y. Haaland, & T. Z. King (Eds.), *APA handbook of neuropsychology. Volume 2. Neuroscience and neuromethods* (pp. 375-392). Washington, DC, USA: American Psychological Association.

Other outputs

1. **Feigin, V. L.,** Brainin, M., & Martins, S. C. O. (2023). The polypill from a public-health perspective [Editorial]. In *The Lancet Neurology*, 22(4), 294-295.

2. **Feigin, V.**, & Global Coalition for Circulatory Health. (2023). *The road to UHC: Why integration of circulatory health interventions in primary care is essential: A Global Coalition for Circulatory Health position paper*. World Heart Federation.
3. Winter, S. F., Walsh, D., Grisold, W., Jordan, J. T., Singhi, P., Cross, J. H., . . . Sofia, F. (**Feigin, V.L. as co-author**) (2023). Uniting for global brain health: Where advocacy meets awareness [Editorial]. In *Epilepsy and Behavior*, 145, 109295.
4. **Krishnamurthi, R.V.**, Gall, S., Martins, S.O., Norrving, B., Pandian, J.D., **Feigin, V.L.**, & Owolabi, M.O. (2023). Pragmatic solutions to reduce global stroke burden: World Stroke Organization – Lancet Neurology Commission report [Editorial]. In *Neuroepidemiology*. doi: <https://doi.org/10.1159/000535377>.