

## Publications for Nimeshan Geevasinga

### 2019

Geevasinga, N., Howells, J., Menon, P., van den Bos, M., Shibuya, K., Matamala, J., Park, S., Byth, K., Kiernan, M., Vucic, S. (2019). Amyotrophic lateral sclerosis diagnostic index: Toward a personalized diagnosis of ALS. *Neurology*, 92(6), e536-e547. <a href="http://dx.doi.org/10.1212/WNL.0000000000006876">[More Information]</a>

Higashihara, M., Menon, P., Geevasinga, N., van den Bos, M., Kiernan, M., Vucic, S. (2019). Motor neuron disease with malignancy: Clinical and pathophysiological insights. *Clinical Neurophysiology*, 130(9), 1557-1561. <a href="http://dx.doi.org/10.1016/j.clinph.2019.05.026">[More Information]</a>

van den Bos, M., Geevasinga, N., Higashihara, M., Menon, P., Vucic, S. (2019). Pathophysiology and Diagnosis of ALS: Insights from Advances in Neurophysiological Techniques. *International Journal of Molecular Sciences*, 20(11), 1-16. <a href="http://dx.doi.org/10.3390/ijms20112818">[More Information]</a>

### 2018

van den Bos, M., Higashihara, M., Geevasinga, N., Menon, P., Kiernan, M., Vucic, S. (2018). Imbalance of cortical facilitatory and inhibitory circuits underlies hyperexcitability in ALS. *Neurology*, 91(18), e1669-e1676. <a href="http://dx.doi.org/10.1212/WNL.0000000000006438">[More Information]</a>

van den Bos, M., Menon, P., Howells, J., Geevasinga, N., Kiernan, M., Vucic, S. (2018). Physiological Processes Underlying Short Interval Intracortical Facilitation in the Human Motor Cortex. *Frontiers in Neuroscience*, 12, 240. <a href="http://dx.doi.org/10.3389/fnins.2018.00240">[More Information]</a>

Agarwal, S., Highton-Williamson, E., Caga, J., Matamala, J., Dharmadasa, T., Howells, J., Zoing, M., Shibuya, K., Geevasinga, N., Vucic, S., Hodges, J., Ahmed, R., Kiernan, M. (2018). Primary lateral sclerosis and the amyotrophic lateral sclerosis-frontotemporal dementia spectrum. *Journal of Neurology*, 265(8), 1819-1828. <a href="http://dx.doi.org/10.1007/s00415-018-8917-5">[More Information]</a>

Higashihara, M., Menon, P., van den Bos, M., Geevasinga, N., Vucic, S. (2018). Reproducibility of motor unit number index and multiple point stimulation motor unit number estimation in controls. *Muscle and Nerve*, 58(5), 660-664. <a href="http://dx.doi.org/10.1002/mus.26339">[More Information]</a>

Geevasinga, N., Vucic, S. (2018). The role of spinal mechanisms in the pathophysiology of the split hand sign in ALS. *Muscle and Nerve*, 58(4), 470-471. <a href="http://dx.doi.org/10.1002/mus.26139">[More Information]</a>

### 2017

Geevasinga, N., Menon, P., Scherman, D., Simon, N., Yiannikas, C., Henderson, R., Kiernan, M., Vucic, S. (2017). Author response: diagnostic criteria in amyotrophic lateral sclerosis: A multicenter prospective study. *Neurology*, 88(7),

719. <a href="http://dx.doi.org/10.1212/WNL.0000000000003628">[More Information]</a>

Geevasinga, N., Korgaonkar, M., Menon, P., van den Bos, M., Gomes, L., Foster, S., Kiernan, M., Vucic, S. (2017). Brain functional connectome abnormalities in amyotrophic lateral sclerosis are associated with disability and cortical hyperexcitability. *European Journal of Neurology*, 24(12), 1507-1517. <a href="http://dx.doi.org/10.1111/ene.13461">[More Information]</a>

Matamala, J., Geevasinga, N., Huynh, W., Dharmadasa, T., Howells, J., Simon, N., Menon, P., Vucic, S., Kiernan, M. (2017). Cortical function and corticomotoneuronal adaptation in monomelic amyotrophy. *Clinical Neurophysiology*, 128(8), 1488-1495. <a href="http://dx.doi.org/10.1016/j.clinph.2017.05.005">[More Information]</a>

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van den Bos, M., Geevasinga, N., Menon, P., Burke, D., Kiernan, M., Vucic, S. (2017). Physiological processes influencing motor evoked potential duration with voluntary contraction. *Journal of Neurophysiology*, 117(3), 1156-1162. <a href="http://dx.doi.org/10.1152/jn.00832.2016">[More Information]</a>

Cao, J., Menon, P., Chang, F., Mahant, N., Geevasinga, N., Fung, V., Vucic, S. (2017). Postural tremor and chronic inflammatory demyelinating polyneuropathy. *Muscle and Nerve*, 55(3), 338-343. <a href="http://dx.doi.org/10.1002/mus.25253">[More Information]</a>

Shibuya, K., Simon, N., Geevasinga, N., Menon, P., Howells, J., Park, S., Huynh, W., Noto, Y., Vucic, S., Kiernan, M. (2017). The evolution of motor cortical dysfunction in amyotrophic lateral sclerosis. *Clinical Neurophysiology*, 128, 1075-1082. <a href="http://dx.doi.org/10.1016/j.clinph.2017.03.004">[More Information]</a>

### 2016

Geevasinga, N., Loy, C., Menon, P., de Carvalho, M., Swash, M., Schrooten, M., Van Damme, P., Gawel, M., Sonoo, M., Higashihara, M., Kiernan, M., Macaskill, P., Vucic, S., et al (2016). Awaji criteria improves the diagnostic sensitivity in amyotrophic lateral sclerosis: A systematic review using individual patient data. *Clinical Neurophysiology*, 127(7), 2684-2691. <a href="http://dx.doi.org/10.1016/j.clinph.2016.04.005">[More Information]</a>

Menon, P., Geevasinga, N., Yiannikas, K., Kiernan, M., Vucic, S. (2016). Cortical contributions to the flail leg syndrome: Pathophysiological insights. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 17(5-6), 389-396. <a href="http://dx.doi.org/10.3109/21678421.2016.1145232">[More Information]</a>

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Boland-Freitas, R., Graham, J., Davis, M., Geevasinga, N., Vucic, S., Ng, K. (2016). Late onset distal myopathy of the upper limbs due to p11e151Val mutation in VCP. *Muscle and Nerve*, 54(1), 165-166. <a href="http://dx.doi.org/10.1002/mus.25073">[More Information]

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Geevasinga, N., Menon, P., Ozdinler, P., Kiernan, M., Vucic, S. (2016). Pathophysiological and diagnostic implications of cortical dysfunction in ALS. *Nature Reviews Neurology*, 12(11), 651-661. <a href="http://dx.doi.org/10.1038/nrneurol.2016.140">[More Information]

Geevasinga, N., Menon, P., Ng, K., van den Bos, M., Byth Wilson, K., Kiernan, M., Vucic, S. (2016). Riluzole exerts transient modulating effects on cortical and axonal hyperexcitability in ALS. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 17(7-8), 580-588. <a href="http://dx.doi.org/10.1080/21678421.2016.1188961">[More Information]

Shibuya, K., Park, S., Geevasinga, N., Huynh, W., Simon, N., Menon, P., Howells, J., Vucic, S., Kiernan, M. (2016). Threshold tracking transcranial magnetic stimulation: Effects of age and gender on motor cortical function. *Clinical Neurophysiology*, 127(6), 2355-2361. <a href="http://dx.doi.org/10.1016/j.clinph.2016.03.009">[More Information]

## 2015

Geevasinga, N., Menon, P., Howells, J., Nicholson, G., Kiernan, M., Vucic, S. (2015). Axonal Ion Channel Dysfunction in C9orf72 Familial Amyotrophic Lateral Sclerosis. *JAMA Neurology*, 72(1), 49-57. <a href="http://dx.doi.org/10.1001/jamaneurol.2014.2940">[More Information]

Geevasinga, N., Menon, P., Sue, C., Kumar, K., Ng, K., Yiannikas, C., Kiernan, M., Vucic, S. (2015). Cortical excitability changes distinguish the motor neuron disease phenotypes from hereditary spastic paraplegia. *European Journal of Neurology*, 22(5), 826-831. <a href="http://dx.doi.org/10.1111/ene.12669">[More Information]

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*Neurology*, 14(5), 478-484. <a href="http://dx.doi.org/10.1016/S1474-4422(15)00014-9">[More Information]

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Geevasinga, N., Menon, P., Yiannikas, C., Kiernan, M., Vucic, S. (2014). Diagnostic utility of cortical excitability studies in amyotrophic lateral sclerosis. *European Journal of Neurology*, 21(12), 1451-1457. <a href="http://dx.doi.org/10.1111/ene.12422">[More Information]

Geevasinga, N., Menon, P., Kiernan, M., Vucic, S. (2014). Motor cortical function and the precision grip. *Physiological Reports*, 2(12), 1-10. <a href="http://dx.doi.org/10.14814/phy2.12120">[More Information]

Geevasinga, N., Cole, C., Herkes, G., Barnett, Y., Lin, J., Needham, M. (2014). Sickle cell disease and posterior reversible leukoencephalopathy. *Journal of Clinical Neuroscience*, 21(8), 1329-1332. <a href="http://dx.doi.org/10.1016/j.jocn.2013.10.028">[More Information]

## 2008

Geevasinga, N., Morris, J., Ross, D. (2008). Carotid stenting and cerebral hyperperfusion syndrome. *Journal of Clinical Neuroscience*, 15(3), 301-305. <a href="http://dx.doi.org/10.1016/j.jocn.2006.10.021">[More Information]

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Geevasinga, N., Ryan, M. (2007). Physician attitudes towards ventilatory support for spinal muscular atrophy type 1 in Australasia. *Journal of Paediatrics and Child Health*, 43(12), 790-794. <a href="http://dx.doi.org/10.1111/j.1440-1754.2007.01197.x">[More Information]