

## Publications for Parvathi Menon

### 2018

Sheean, R., McKay, F., Cretney, E., Bye, C., Perera, N., Tomas, D., Weston, R., Scheller, K., Djouma, E., Menon, P., Schibeci, S., Booth, D., Stewart, G., Kiernan, M., Vucic, S., et al (2018). Association of Regulatory T-Cell Expansion With Progression of Amyotrophic Lateral Sclerosis: A Study of Humans and a Transgenic Mouse Model. *JAMA Neurology*, 75(6), 681-689. <a href="http://dx.doi.org/10.1001/jamaneurol.2018.0035">[More Information]</a>

Menon, P., Kiernan, M., Vucic, S. (2018). Cortical excitability varies across different muscles. *Journal of Neurophysiology*, 120(3), 1397-1403. <a href="http://dx.doi.org/10.1152/jn.00148.2018">[More Information]</a>

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>

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>

Vucic, S., van den Bos, M., Menon, P., Howells, J., Dharmadasa, T., Kiernan, M. (2018). Utility of threshold tracking transcranial magnetic stimulation in ALS. *Clinical Neurophysiology Practice*, 3, 164-172. <a href="http://dx.doi.org/10.1016/j.cnp.2018.10.002">[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>

Menon, P., Geevasinga, N., van den Bos, M., Yiannikas, K., Kiernan, M., Vucic, S. (2017). Cortical hyperexcitability and disease spread in amyotrophic lateral sclerosis. *European Journal of Neurology*, 24(6), 816-824. <a href="http://dx.doi.org/10.1111/ene.13295">[More Information]</a>

Weerasinghe, D., Menon, P., Vucic, S. (2017). Hyperpolarization-activated cyclic-nucleotide-gated channels potentially modulate axonal excitability at different thresholds. *Journal of Neurophysiology*, 118(6), 3044-3050. <a href="http://dx.doi.org/10.1152/jn.00576.2017">[More Information]</a>

Menon, P., Varikatt, W., Vucic, S. (2017). Isolated nerve plasmacytoma in a patient previously in systemic myeloma remission. *Muscle and Nerve*, 55(6), E27-E28. <a href="http://dx.doi.org/10.1002/mus.25544">[More Information]</a>

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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87(7), 684-690. <a href="http://dx.doi.org/10.1212/WNL.0000000000002988">[More Information]</a>

Shibuya, K., Park, S., Geevasinga, N., Menon, P., Howells, J., Simon, N., Huynh, W., Noto, Y., Gotz, J., Kril, J., Vucic, S., Kiernan, M., et al (2016). Motor cortical function determines prognosis in sporadic ALS. *Neurology*, 87(5), 513-520. <a href="http://dx.doi.org/10.1212/WNL.0000000000002912">[More Information]</a>

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Grieve, S., Menon, P., Korgaonkar, M., Gomes, L., Foster, S., Kiernan, M., Vucic, S. (2016). Potential structural and functional biomarkers of upper motor neuron dysfunction in ALS. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 17, 85-92. <a href="http://dx.doi.org/10.3109/21678421.2015.1074707">[More Information]</a>

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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]</a>

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]</a>

## 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]</a>

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]</a>

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Menon, P., Kiernan, M., Vucic, S. (2015). Cortical hyperexcitability precedes lower motor neuron dysfunction in

ALS. *Clinical Neurophysiology*, 126(4), 803-809. <a href="http://dx.doi.org/10.1016/j.clinph.2014.04.023">[More Information]</a>

Menon, P., Geevasinga, N., Yiannikas, K., Howells, J., Kiernan, M., Vucic, S. (2015). Sensitivity and specificity of threshold tracking transcranial magnetic stimulation for diagnosis of amyotrophic lateral sclerosis: A prospective study. *The Lancet Neurology*, 14(5), 478-484. <a href="http://dx.doi.org/10.1016/S1474-4422(15)00014-9">[More Information]</a>

## 2014

Menon, P., Kiernan, M., Vucic, S. (2014). ALS pathophysiology: Insights from the split-hand phenomenon. *Clinical Neurophysiology*, 125(1), 186-193. <a href="http://dx.doi.org/10.1016/j.clinph.2013.07.022">[More Information]</a>

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Bae, J., Menon, P., Mioshi, E., Kiernan, M., Vucic, S. (2014). Cortical hyperexcitability and the split-hand plus phenomenon: Pathophysiological insights in ALS. *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 15(3-4), 250-256. <a href="http://dx.doi.org/10.3109/21678421.2013.872150">[More Information]</a>

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and APB. *Neuroscience Letters*, 541, 150-154. <a href="http://dx.doi.org/10.1016/j.neulet.2013.03.003">[More Information]</a>

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Menon, P., Kiernan, M., Yiannikas, C., Stroud, J., Vucic, S. (2013). Split-hand index for the diagnosis of amyotrophic lateral sclerosis. *Clinical Neurophysiology*, 124(2), 410-416. <a href="http://dx.doi.org/10.1016/j.clinph.2012.07.025">[More Information]</a>

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## 2012

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