

SPINAL CORD INJURY RESEARCH PUBLICATIONS

2019 PUBLICATIONS:

Beaulieu CL, Peng J, Hade EM, Corrigan JD, Seel RT, Dijkers MP, **Hammond FM**, Horn SD, Timpson ML, Swan M, Bogner J. Impact of Level of Effort on the Effects of Compliance with the 3-Hour Rule. *Arch Phys Med Rehabil* (2019), doi: [https:// doi.org/10.1016/j.apmr.2019.01.014](https://doi.org/10.1016/j.apmr.2019.01.014).

Ardestani MM, **Henderson CE**, Salehi SH, Mahtani G, Schmit BD, **Hornby TG**. Kinematic and neuromuscular adaptations in incomplete spinal cord injury following high versus low-intensity locomotor training. *J Neurotrauma*. 2018 Oct 26. doi: 10.1089/neu.2018.5900, PMID: 30362878.

2018 PUBLICATIONS:

Holleran CL, Hennessey PW, Leddy AL, Mahtani GB, Brazg G, Schmit BD, **Hornby TG**. High-Intensity Variable Stepping Training in Patients With Motor Incomplete Spinal Cord Injury: A Case Series. *J Neurol Phys Ther*. 2018 Apr;42(2):94-101. doi:10.1097/NPT.0000000000000217.

Leech KA, Kim HE, **Hornby TG**. Strategies to augment volitional and reflex function may improve locomotor capacity following incomplete spinal cord injury. *J Neurophysiol*. 2018 Mar 1;119(3):894-903. doi: 10.1152/jn.00051.2017. Epub 2017 Nov 1

Chu VWT, **Hornby TG**, Schmit BD. Stepping responses to treadmill perturbations vary with severity of motor deficits in human SCI. *J Neurophysiol*. 2018 Apr 18. doi: 10.1152/jn.00486.2017. [Epub ahead of print]. PMID: 29668389

Chhabra HS, Sachdeva G, Kovindha A, Hossain MS, Hasnan N, Thapa E, Rajasekaran S, Yusniza MY Sybil Shah S, Pinto N, **Groves C**, Kammuang-Lue P, Helal SU, Ahmad Fauzi A, Aiyer S, Ahmad Kasah NB, Niroshanie RAC. International Spinal Cord Society (ISCoS) database: Asian Spinal Cord Network (ASCoN) Pilot Project [IDAPP]. *Spinal Cord Ser Cases*. 2018 May 21; 4:45.

Piatt, J. A., Eldridge, L., Herbenick, D., & Knee, E. (2018). Sexuality and intimacy: What females with spinal cord injury Are Saying. *American Journal of Recreational Therapy*, 17(3), 25-35.

2017 PUBLICATIONS:

Smith AC, Weber KA, Parrish TB, **Hornby TG**, Tysseling VM, McPherson JG, Wasielewski M, Elliott JM. Ambulatory function in motor incomplete spinal cord injury: a magnetic resonance imaging study of spinal cord edema and lower extremity muscle morphometry. *Spinal Cord*. 2017 Feb 28. doi: 10.1038/sc.2017.18. [Epub ahead of print]

Groves CC, Poudel MK, Baniya M, Rana C, House DR. Descriptive study of earthquake-related spinal cord injury in Nepal. *Spinal Cord* Epub ahead of Print, 14 March 2017; doi:10.1038/sc.2017.25.

Zorowitz, RD, Wein, TH, Dunning, K, Deltombe, T, Olver, J, **Davé, S**, Dimyan, M, Kelemen, J, Pagan, F, Evans, C, Gillard, P, and Kissela, B. A screening tool to identify spasticity in need of treatment. *American Journal of Physical Medicine and Rehabilitation*, May 2017, 96 (5), 315-320.

Moore JL, Carpenter J, Doyle AM, Doyle L, Hansen P, Hahn B, **Hornby TG**, Roth HR, Spoeri S, Tappan R, Van Der Laan K. Development, Implementation and Use of a Process to Promote Knowledge Translation in Rehabilitation. *Arch Phys Med Rehabil*. 2017 Sep 16. PMID:28928025.

Roth D., et. al. Initial Results of a Long-Term, Open-Label, Multi-Center Prospective Safety Study for a Novel Valve-Gated Implantable Infusion Pump. *American Society of Regional Anesthesia and Pain Medicine*. Published Poster. 2017.

Leech KA, Kim HE, **Hornby TG**. Strategies to augment volitional and reflex function may improve locomotor capacity following incomplete spinal cord injury. *J Neurophysiol*. PMID: In press. 29093168

Brazg G, Fahey M., Holleran CL., Connolly M, Woodward J., Hennessy PW., Schmit, BD., **Hornby TG**. Effects of training intensity on locomotor performance in individuals with chronic spinal cord injury: a randomized crossover study. *Neurorehabilitation and neural repair* In press. 2017.

2016 PUBLICATIONS:

Leech KA, Kinnaird CR, Holleran CL, Kahn J, **Hornby TG** Effects of locomotor exercise intensity on gait performance in individuals with incomplete spinal cord injury. *Physical Therapy*, Epub ahead of print, 6/16/16. PMID:27313241.

Leech KA, **Hornby TG**. High-intensity locomotor exercise increases brain-derived neurotrophic factor in individuals with incomplete spinal cord injury. *Journal of Neurotrauma*. Epub ahead of print, 8/15/16; PMID: 27526567.

Chen S, Andary M, **Buschbacher R**, Del Toro D, Smith B, So Y, Zimmermann K, Dillingham T: Electrodiagnostic reference values for upper and lower limb nerve conduction studies in adult populations. *Muscle Nerve* 54;371-377:2016.

Dillingham T, Chen S, Andary M, **Buschbacher R**, Del Toro D, Smith B, Zimmermann K, So Y: Establishing high-quality reference values for nerve conduction studies: a report from the normative data task force of the american association of neuromuscular and electrodiagnostic medicine. *Muscle Nerve* 54;366-370:2016

Books

Kumbare D, Robinson L, **Buschbacher R**. *Buschbacher's Manual of Nerve Conduction Studies*, 3rd ed. Demos, NY. 2016.