

Peer-Reviewed Articles

Published

1. **Choi JT**, Bouyer LJ, Nielsen JB. Disruption of locomotor adaptation with repetitive transcranial magnetic stimulation of the motor cortex. *Cerebral Cortex*, *in press*.
2. **Choi JT**, Jensen JL, Leukel C, Nielsen JB. Cutaneous mechanisms of isometric ankle force control. *Experimental Brain Research*. 228(3): 377-384, 2013.
3. Bingham JT, **Choi JT**, Ting LH. Stability in a frontal plane model of balance requires coupled changes to postural configuration and neural feedback control. *Journal of Neurophysiology*, 106(1):437-48, 2011.
4. **Choi JT**, Vining EP, Mori S, Bastian AJ. Sensorimotor function and sensorimotor tracts after hemispherectomy. *Neuropsychologia*, 48(5):1192-9, 2010.
5. **Choi JT**, Reisman DS, Vining, EP, Bastian AJ. Walking flexibility after hemispherectomy: split-belt treadmill adaptation and feedback control. *Brain*, 32(3):722-733, 2009.
6. **Choi JT**, Bastian AJ. Adaptation reveals independent control networks for human walking. *Nature Neuroscience*, 10(8):1055-62, 2007.
7. Sylvestre PA, **Choi JT**, Cullen KE. Discharge dynamics of oculomotor neural integrator neurons during conjugate and disjunctive saccades and fixation. *Journal of Neurophysiology*, 90(2):739-54, 2003.

Abstracts (*podium presentation)

1. ***Choi JT**, Jensen P, Nielsen JB. Adapting gait symmetry with visually guided locomotor training: 'virtual' split-belt walking adaptation. 2014 World Congress of Biomechanics.
2. **Choi JT**, Jensen P, Nielsen JB. Visually guided inter-limb adaptation during walking in children and adults: 'virtual' split-belt treadmill adaptation. 2014 ISPGR World Congress.
3. **Choi JT**, Bouyer LJ, Nielsen JB. Disruption of ankle adaptation with repetitive transcranial magnetic stimulation of the motor cortex during walking in a force field. FENS Forum, 2012.
4. ***Choi JT**, Jensen JL, Leukel C, Bouyer LJ, Nielsen JB. Error-signals driving locomotor adaptation: effects of peripheral nerve stimulation on ankle control during walking in an elastic force field. Joint World Congress of ISPGR and Gait & Mental Function, 2012.
5. Bingham JT, **Choi JT**, Ting LH. Is wide stance stabilizing? Predictions of postural stability and stepping threshold from a frontal-plane delayed feedback model. Society for Neuroscience, 2010.
6. **Choi JT**, Bingham JT, Ting LH. Stability and flexibility trade-offs in standing balance control at different stance widths. Society for Neuroscience, 2010.