

First International Motor Impairment Conference 2018

POSTER PRESENTATIONS MONDAY 26 NOVEMBER 1:30PM – 3.00PM	
P01	EDEN DELAHUNTY Cold-water immersion of a single limb increases motor cortex excitability for the opposite limb
P02	CHRISTOPHER LATELLA Group III/IV muscle afferent feedback does not modulate intracortical excitability and inhibition following fatiguing exercise
P03	SIOBHAN DONGÉS Paired corticospinal-motoneuronal stimulation does not improve maximal voluntary elbow flexion in people with incomplete cervical spinal cord injury
P04	ASHLEE HENDY Investigating the effects of muscle contraction and conditioning stimulus-intensity on short-interval intracortical inhibition
P05	CASSANDRA RUSSELL Effects of postural challenge on responses to cortical stimulation: a potential probe of extrapyramidal tract function?
P06	SIMON SUMMERS The relationship between motor cortex organisation and motor variability in the transition to sustained muscle pain
P07	VIDA ALIZAD Timed Up and Go task after applying anodal-transcranial Direct Current Stimulation (tDCS) in people with Parkinson's disease? Preliminary results
P08	ELEFThERIA GIANNOULI Guidelines for the design of stepping interventions for falls prevention
P09	YOSHIRO OKUBO Motor learning processes in responding to increasingly unpredictable trips and slips in older adults
P10	MATTHEW BRODIE Using Smart Socks and Rhythmic Haptic Cues to Stimulate the Foot Arch May Reduce Gait Variability During a Freezing of Gait Elicitation Task
P11	GARETH JONES Estimates of gait initiation-onset in both stroke and healthy individuals during the sit-to-walk task
P12	JASMINE MENANT Balance in dizzy middle-aged and older people reporting unsteadiness: is it all in the head?
P13	MEG LETTON The validity of inertial measurement units (IMU) in three-dimensional lower-body human gait analysis
P14	RACHEL KENNEDY Can retrospective report of falls provide an accurate snapshot of falling compared to prospective reporting in children and adolescents with Charcot-Marie-Tooth disease?



P15	LUKE PERRATON Quadriceps rate of force development following total knee replacement is associated with gait speed – low-cost clinically feasible methodology
P16	ARKIEV D'SOUZA Measurement of intramuscular fat in the medial gastrocnemius of stroke patients
P17	JUNYA EGUCHI The topography of hypertrophy: how muscle architecture changes with strength training
P18	KYLIE TUCKER Assessment of individual muscle mechanical properties: a systematic review
P19	JAMES NUZZO Reliability of tests of muscle strength and voluntary activation: a narrative review
P20	JACOB THORSTENSEN Antagonism of the D2 dopamine receptor reduces voluntary muscle activation and enhances central fatigue in humans
P21	GABRIEL TRAJANO The effect of moderate-duration passive muscle stretching on persistent inward currents estimated through paired motor unit analysis
P22	JOANNA DIONG Involuntary hamstring muscle activity reduces passive hip range of motion during the straight leg raise test
P23	MARTIN HÉROUX Poor statistical reporting, inadequate data presentation and spin persist despite editorial advice
P24	STEPHEN BESTED Mixing robotic guidance and unassisted practice for the learning of a sequential movement
P25	PHU HOANG Safety and Feasibility of an Eccentric Exercise Intervention in People with Multiple Sclerosis with ankle contractures – A Case Series of five subjects
P26	MICHAEL PSARAKIS Wearable technology reveals gait compensations, unstable walking patterns and fatigue in people with Multiple Sclerosis
P27	ANNIE BUTLER Does the way we grasp objects affect how we perceive our hands?
P28	SERAJUL KHAN The role of otoliths in vestibulo-ocular reflex adaptation
P29	THOMAS KNELLWOLF Changes in centre of pressure are encoded by muscle spindles supplying intrinsic muscle of the foot in freely standing humans
P30	VAUGHAN MACEFIELD Disturbed proprioception at the knee but not the elbow in hereditary sensory & autonomic neuropathy type III
P31	HASSAN QURESHI The hands are immediately perceived closer to body midline in the absence of vision

P32	LEWIS INGRAM The upper limb physiological profile assessment (PPA): description and reliability
P33	CLAIRE BOSWELL-RUYS Respiratory muscle reflex control and dysphagia in incomplete tetraplegia
P34	EUAN MCCAUGHEY Optimal electrode position for Abdominal Functional Electrical Stimulation
P35	DANIEL MCKEOWN Severe acute hypoxia reduces motor unit firing rate during isometric contractions
P36	AMAL OSMAN The upper airway is most collapsible during expiration in obstructive sleep apnoea
P37	DAVID MORKOS Wearable devices reveal impaired respiratory and cardiovascular responses to clinical assessments and activities during daily life in people with chronic obstructive pulmonary disease.
P38	ITOPA AJAYI Hippocampal modulation of respiratory motor output
P39	DAINA STURNIEKS The effect of optic flow on standing balance in young and older people with low and high fall risk.

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