

PROGRAMME AT A GLANCE				
Monday, May 22nd, 2017				
		Room 0.4	Room 0.5	
		PRE CONGRESS COURSE	PRE CONGRESS COURSE	
		13:00 - 15:00	13:00 - 15:00	
		Management of pes equinovarus in stroke	How to publish in scientific journals, specifically NeuroRehabilitation and Neural Repair (NRR)	
		Alexander Geurts & Jaan Buurke	Gert Kwakkel & Erwin van Wegen	
15.00 - 15.30	BREAK	Lobby & Traiectum		
		YOUNG SCIENTIST COMPETITION		
		15.30 - 15.45 Teodoro Solis-Escalante		
		12. Quantification of somatosensory steady-state responses to continuous wrist manipulation in individuals with chronic hemiparetic stroke		
		15.45 - 16.00 Bernhard Elsner		
		16. Transcranial Direct Current Stimulation (tDCS) for improving capacity in activities and arm function after stroke: a network meta-analysis		
		16.00 - 16:15 Janne Verbeek		
		40. Effects of robot-assisted therapy for the upper limb after stroke: a systematic review and meta-analysis		
		16:15 - 16:30 Bas Lith		
		72. Gait initiation in people with corticospinal lesions: insights from StartReact		
		16.30 - 16.45 Yuan Yang		
		74. Multimodal brain imaging for improving EEG source localization: Application to Chronic Stroke		
		16.45 - 17.00 Sanne Broeder		
		84. Transcranial direct current stimulation for upper limb freezing in Parkinson's disease		
		17.00 - 17.15 Nele Bruyn		
		127. Inter- and intrahemispheric functional connectivity associated with somatosensory impairments of the upper limb early after stroke		
		17.15 - 17.30 Paola Antonietti		
		161. Mirror therapy in early post-stroke		
Tuesday, May 23rd, 2017				
		Auditorium 2		
09.30 - 10.00	WELCOME / OPENING			
10.00 - 11.00	PLENARY SESSION	Keynote speaker: John Krakauer <i>Rethinking Neurorehabilitation</i>		
11.00 - 11.30	BREAK / POSTER VISIT	Lobby & Traiectum		
11.30 - 11.00	PARALLEL SESSIONS	Room 0.2/0.3 FOCUSED SYMPOSIUM Chair: Dr. I. Brunner Effectiveness, intensity and patient perspectives of virtual reality training for the upper limb post stroke. Results from the VIRTUES trial	Room 0.4 FOCUSED SYMPOSIUM Chair: Dr. T. van Bellinghen Manual dexterity in Parkinson's disease: neural basis, standardized assessment and evidence based interventions	Room 0.5 INVITED LECTURE AND ORAL ABSTRACT PRESENTATIONS Chair: tbc
		11.30 - 13.00	11.30 - 13.00	11.30 - 13.00
		11.30 - 12.00 Iris Brunner Virtual Reality Training for Upper Extremity after Subacute Stroke (VIRTUES)	11.30 - 11.50 Stephan Bohhalter The impact of impaired dexterity on activities of daily living and quality of life in parkinson's disease	11.30 - 12.00 Vincent de Groot Rehabilitation to treat MS-related fatigue: The TREFAMS research programme
		12.00 - 12.30 Jan Sture Skouen Intensity of VR training compared to conventional training	11.50 - 12.10 Stefanie Kuebel The latest neuro-imaging findings with respect to impaired dexterity in PD	12.00 - 12.15 Ela Tarakci 167. Comparing home-based and supervised exercise programmes in patients with Multiple Sclerosis
		12.30 - 13.00 Hanne Pallesen The literature concerning user experiences with VR systems in rehabilitation	12.10 - 12.30 Joachim Hermsdörfer Studies on grip force control in Parkinsonian patients to reveal impaired and preserved aspects of fine motor control in basal ganglia disease	12.15 - 12.30 Rosanne van Dijkseeldonk 47. Wearable exoskeleton for patients with complete spinal cord injury: training and home-use
			12.30 - 12.50 Tim Vanbellinghen New standardized assessments to measure dexterous function and dexterity-related ADL	12:30 - 12.45 Simon Horton 19. Enhancing functional communication recovery of people with aphasia after a stroke: realising opportunities for enriching the communicative environment during routine rehabilitation
			12.45 - 13.00 Esther Kruitwagen 11. Participation of adults with spinal muscular atrophy patients	12:30 - 12.45 Valerie Pomeroy Telerehabilitation post-stroke
13.00 - 14.00	LUNCH / POSTER VISIT	LUNCH SYMPOSIUM IPSEN Prof. Dr. Jörn Wissele		
14.00 - 14.30	POSTER VISIT			
14.30 - 16.00		Room 0.2/0.3 FOCUSED SYMPOSIUM Chair: Prof. E. Swinnen Robot-assisted gait training in neurological patients	Room 0.4 FOCUSED SYMPOSIUM Chair: Prof. B. van Engelen Management of patients with neuromuscular diseases	Room 0.5 ORAL ABSTRACT PRESENTATIONS Chair: Prof. M. Levin
		PARALLEL SESSIONS 14.30 - 16.00	14.30 - 16.00	Room 0.8 Best Poster competition Chair: tbd
		14.30 - 14.45 Nina Lefebvre Cardiometabolic Load during Robot-Assisted Gait	14.30 - 14.45 Sharan Deepak 147. Three different methods of virtual reality based therapy and its effect on balance and weight shifting ability among children with cerebral palsy	14.30 - 16.00
		14.45 - 15.00 Klaske Van Kammen Muscle activity during Lokomat walking	14.45 - 15.00 Michael Ellis 20. Increased Passive Elbow Joint and Biceps Muscle Stiffness in Chronic Stroke	14.30 - 14.40 Jitka Lüdemann-Podubeká 9. Cycle ergometer training versus resistance training to improve motor function of the lower limbs in critical illness polyneuropathy: a randomised controlled trial
			14.40 - 14.50 Volker Ressel 10. Differences in DTI analysis approaches to predict rehabilitation outcome	

		15.00 - 15.15 Kristel Knaenen Electrocortical Activity during Walking and Robot-Assisted Walking		15.00 - 15.15 Maud Pradines 173. Structural changes in the muscle-tendon unit of triceps surae after a daily self-stretch program - A one-year prospective randomized trial in chronic hemiparesis	14.50 - 15.00 Judith Vloothuis 14. Stroke rehabilitation: availability and suitability of caregiver support	
		15.15 - 15.30 Eva Swinnen Acceptation of Lokomat training		15.15 - 15.30 Michael Ellis 21. Robot-mediated Progressive Abduction Loading Therapy: Preliminary Results from an RCT Targeting Upper Extremity Flexion Synergy	15.00 - 15.10 Lysanne Siffhout 15. Ten meters walking speed in patients with spinal cord injury: does speed define who walks and who rolls?	
		15.30 - 15.45 Carlos Rodriguez Guerrero Advances in de development of the ALTACRO system		15.30 - 15.45 Sharan Deepak 140. Effectiveness of a new surgical and rehabilitation approach in the management of children with dyskinetic cerebral palsy	15.10 - 15.20 Elke Heremans 90. Interrater reliability of the funnel task: a novel tool to assess upper limb freezing in patients with Parkinson's disease	
				15.45 - 16.00 Nina van der Helm 102. Between arms torque matching ability in individuals with chronic hemiparetic stroke: preliminary findings	15.20 - 15.30 Jaroslaw Cholewa 59. Can kayaking be effective in improving postural control in Parkinson's disease?	
					15.30 - 15.40 Bea Esers 130. Good ability but limited use: the gap between observed and perceived upper limb motor function after stroke	
					15.40 - 15.50 Ulrike Hammerbeck 163. Reaching training at slow or fast movement speed in chronic stroke	
16.00 - 16.30	BREAK / POSTER VISIT	Lobby & Trajectum				
		Auditorium 2				
16.30 - 17.30	PLENARY SESSION	Keynote speaker: Fiona Jones <i>Advances in self-management interventions for individuals with stroke and brain injury; making it part of everything we do.</i>				
17.30 -				GET-TOGETHER DRINK		

Wednesday, May 24th, 2017						
		Auditorium 2				
09.00 - 10.00	PLENARY SESSION	Keynote speaker: John Rotwell <i>Is Non-invasive Brain Stimulation a useful addition to rehabilitation therapy?</i>				
10.00 - 10.30	BREAK / POSTER VISIT	Lobby & Traiectum				
10.30-12.00		Room 0.2/0.3 FOCUSED SYMPOSIUM Chair: Dr. V. Weerdesteyn Balance post stroke: updated evidence and implications for practice	Room 0.4 FOCUSED SYMPOSIUM Chair: Prof. P. Feys Trending topics in MS rehabilitation	Room 0.5 INVITED LECTURE AND ORAL ABSTRACT PRESENTATIONS Chair: TBC	Room 0.8 INVITED LECTURE AND ORAL ABSTRACT PRESENTATIONS Chair: TBC	Room
	PARALLEL SESSIONS	10.30 - 12.00	10.30 - 12.00	10.30 - 12.00	10.30 - 12.00	
		10.30 - 11.00 Geert Verheyden Sitting balance post stroke: core business?	10.30 - 11.00 Peter Feys & Deborah Severijns Motor fatigability in persons with MS	10.30 - 12.00 Alice Nieuwboer The paradox of neurorehabilitation for Parkinson's disease	10.30 - 12.00 Michelle McDonnell Does aerobic exercise influence neuroplasticity in healthy adults and following stroke?	
		11.00 - 11.30 Hanneke Van Duijnhoven What is effective exercise therapy for improving standing balance in chronic stroke?	11.00 - 11.30 Peter Feys & Ilse Baert Cognitive motor interference in persons with MS: Assessment and rehabilitation	12.00 - 12.15 Anna Maria Turcato 150. Curved walking highlights gait abnormalities in patients with Parkinson's disease, even when their gait along linear paths is normal	12.00 - 12.15 Marika Demers 33. Can upper limb movement quality be captured by clinical outcome measures used in neurological practice?	
		11.30 - 12.00 Vivian Weerdesteyn Gait adaptability training for improving balance post stroke - Why and how	11.30 - 12.00 Ilse Lamers Responsiveness of upper limb outcome measures in MS	12.15 - 12.30 Claudia Barthel 151. The laser-shoes - a new ambulatory device to alleviate FOG	12.15 - 12.30 Rahel Gerber 132. Changes of the motor imagery perspective selection in patients with sensorimotor impairments - a longitudinal study	
				12.30 - 12.45 Bursu Ersoz Huseyinsoğlu 168. The comparison of gait and balance parameters according to the findings of impairment, falling and freezing of gait in patients with Parkinson disease	12.30 - 12.45 Dromerick Alexander 172. Blinded interim analysis from the Critical Periods After Stroke Study CPASS - trends in upper extremity recovery of patients randomized within 30-days of stroke onset	
				12.45 - 13.00 Agnes Winkler 36. Static And Dynamic Balance In People With Parkinson's Disease - An Explorative Cross Sectional Study	12.45 - 13.00 Wouter Harmsen 37. Physical fitness in patients with aneurysmal subarachnoid hemorrhage: A 1-year follow-up study	
12.00 - 13.00	LUNCH / POSTER VISIT	LUNCH SYMPOSIUM MEDTRONIC Prof. Dr. Jörg Wisse	LUNCH SYMPOSIUM MOTEK/FORCELINK			
13.00 - 13.30	POSTER VISIT					
13.30-15.00		Room 0.2/0.3 FOCUSED SYMPOSIUM Chair: Prof. V. Pomeroy Bridging the translational gap between research and clinical neurorehabilitation: examples from sensory augmentation, TMS, and rehabilitation	Room 0.4 INVITED LECTURE AND ORAL ABSTRACT PRESENTATIONS Chair: Prof. F. van der Helm Title: 4D-EEG	Room 0.5 INVITED LECTURE AND ORAL ABSTRACT PRESENTATIONS Chair: TBC	Room 0.8 FOCUSED SYMPOSIUM Chair: Dr. C. Meskers PROFITS: an infrastructure for personalized medicine in stroke rehabilitation	Room 0.9 ORAL ABSTRACT PRESENTATIONS Chair: Prof. J. Rotwell
	PARALLEL SESSIONS	13.30 - 15.00	13.30 - 15.00	13.30 - 15.00	13.30 - 15.00	13.30 - 15.00
		13.30 - 13.35 Valerie Pomeroy Introduction	13.30 - 14.00 Jules De Wald Reaching Dysfunction in Stroke is Largely Due to Flexion Synergy as Opposed to Spasticity-Related Elbow Flexor Activation	13.30 - 14.00 Caroline van Heugten Cognitive rehabilitation 2.0?	13.30 - 13.35 Carel Meskers Introduction	13.30 - 13.45 Sarah Zandvliet 85. Influencing hemispheric asymmetry after stroke, a proof of concept study
		13.35 - 13.45 Leif Johansson Light touch for locomotor and balance control	14.00-14.15 Frans van der Helm TBC	14.00 - 14.15 Catherine Steinbusch 29. Life after cardiac arrest: cognitive impairment, natural recovery and the relation to cognitive complaints	13.35 - 13.50 Leo Aerden Treatment of stroke in the acute phase: thrombolysis and trombectomy, including the Mr Clean trial	13.45 - 14.00 Pauline Hermans 86. The effects of transcranial direct current stimulation on gait initiation in people after stroke
		13.45 - 13.55 Olivier White Stochastic resonance for sensorimotor integration	14.15 - 14.45 Teodoro Solis-Escalante 12. Quantification of somatosensory steady-state responses to continuous wrist manipulation in individuals with chronic hemiparetic stroke	14.15 - 14.30 Yvonne Veenhuizen 56. The Energetic study: effectiveness of a self-management group programme to improve social participation in patients with neuromuscular disease and chronic fatigue	13.50 - 14.05 Gert Kwakkel Early prognosis for recovery post stroke	14.00 - 14.15 Stéphanie Dehem 108. Effectiveness of dual-tDCS in combination with upper limb robotic-assisted rehabilitation : a double-blind randomised crossover study
		13.55 - 14.05 Niamh Kennedy The use of TMS as a clinical tool	14.45-15.00 Migue Saes 112. Brain activity in chronic stroke patients can be related to motor recovery	14.30 - 14.45 Birgitta Langhammer 125. Rehabilitation after stroke in specialized rehabilitation. Psychosocial adaptations post stroke. An international multicenter study	14.05 - 14.20 Carel Meskers PROFITS: Precision profiling to improve prognosis post stroke	14.15 - 14.30 Zeb Jonker 160. BDNF Val66Met but not cerebellar transcranial direct current modulates cerebellar-dependent motor learning
		14.05 - 14.15 Michael Grey Rapid, accurate measurement		14.45 - 15.00 Caroline van Heugten 148. Measuring participation outcomes after stroke: An international perspective	14.20 - 14.30 Aukie Andringa Clinimetry within PROFITS	14.30 - 14.45 Joachim Liepert 173. Effects of a single session of mental chronometry training
		14.15 - 14.25 Nicola Hancock Used to enhance walking recovery			14.30 - 14.40 Jorit Slaman Gemstracker: ICT within PROFITS	14.45 - 15.00 Jitka Lüdemann-Podubecka 8. Motor function and recovery of the affected hand are determined by changes of contralesional cortical hand motor representation in subacute stroke
		14.25 - 14.55 Symposium discussion			14.40 - 15.00 Symposium discussion	
		14.55 - 15.00 Valerie Pomeroy Symposium summary				
15.00 - 15.30	BREAK / POSTER VISIT	Lobby & Traiectum				
		Auditorium 2				
15.30 - 16.30	PLENARY SESSION	Keynote speaker: Mindy Levin <i>Virtual reality - new ways to deliver old tricks</i>				
16.30 - 17.30		Luc Van Calster Award Young scientist and best poster awards Winner best poster competition Closing				
17.30						END