

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		
	<i>Management of pes equinovarus in stroke</i>	<i>How to publish in scientific journals, specifically NeuroRehabilitation and Neural Repair (NRR)</i>		
	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	Room 0.4	Room 0.5
	FOCUSED SYMPOSIUM	FOCUSED SYMPOSIUM	INVITED LECTURE AND ORAL ABSTRACT PRESENTATIONS	INVITED LECTURE AND ORAL ABSTRACT PRESENTATIONS
	Chair: Dr. I. Brunner	Chair: Dr. T. van Bellinghen	Chair: TBC	Chair: TBC
	Effectiveness, intensity and patient perspectives of virtual reality training for the upper limb post stroke. Results from the VIRTUES trial	Manual dexterity in Parkinson's disease: neural basis, standardized assessment and evidence based interventions		
	11.30 - 13.00	11.30 - 13.00	11.30 - 13.00	11.30 - 13.00
	11.30 - 12.00 Iris Brunner	11.30 - 11.50 Stephan Bohlhalter	11.30 - 12.00 Vincent de Groot	11.30 - 12.00 Valerie Pomeroy
	Virtual Reality Training for Upper Extremity after Subacute Stroke (VIRTUES)	The impact of impaired dexterity on activities of daily living and quality of life in parkinson's disease	Rehabilitation to treat MS-related fatigue: The TREFAMS research programme	Telerehabilitation post-stroke
	12.00 - 12.30 Jan Sture Skouen	11.50 - 12.10 Stefanie Kuebel	12.00 - 12.15 Ela Tarakci	12.00 - 12.15 Corien Nikamp
	Intensity of VR training compared to conventional training	The latest neuro-imaging findings with respect to impaired dexterity in PD	167. Comparing home-based and supervised exercise programmes in patients with Multiple Sclerosis	61. A randomized controlled trial on the long-term effects of early or delayed provision of ankle-foot orthoses in patients with (sub-)acute stroke
	12.30 - 13.00 Hanne Pallesen	12.10 - 12.30 Joachim Hermsdörfer	12.15 - 12.30 Rosanne van Dijkseeldonk	12.15 - 12.30 Antonia Ten Brink
	The literature concerning user experiences with VR systems in rehabilitation	Studies on grip force control in Parkinsonian patients to reveal impaired and preserved aspects of fine motor control in basal ganglia disease	47. Wearable exoskeleton for patients with complete spinal cord injury: training and home-use	157. No effects of prism adaptation on neglect in ADL - a large randomized controlled trial
		12.30 - 12.50 Tim Vanbellinghen	12:30 - 12.45 Simon Horton	12:30 - 12.45 Pável Lindberg
		New standardized assessments to measure dexterous function and dexterity-related ADL	19. Enhancing functional communication recovery of people with aphasia after a stroke: realising opportunities for enriching the communicative environment during routine rehabilitation	118. Recovery of dexterity components and corticospinal excitability after stroke
			12.45 - 13.00 Esther Kruitwagen	
			11. Participation of adults with spinal muscular atrophy patients	
13.00 - 14.00	LUNCH / POSTER VISIT	LUNCH SYMPOSIUM IPSEN		
		Prof. Dr. Jörn Wisse		
14.00 - 14.30	POSTER VISIT			
14.00 - 14.00		Room 0.2/0.3	Room 0.4	Room 0.5
		FOCUSED SYMPOSIUM	FOCUSED SYMPOSIUM	ORAL ABSTRACT PRESENTATIONS
		Chair: Prof. E. Swinnen	Chair: Prof. B. van Engelen	Chair: Prof. M. Levin
		Robot-assisted gait training in neurological patients	Management of patients with neuromuscular diseases	
	PARALLEL SESSIONS	14.30 - 16.00	14.30 - 16.00	14.30 - 16.00
	14.30 - 16.00	14.30 - 14.45 Nina Lefebvre	14.30 - 14.45 Sharan Deepak	14.30 - 14.40 Jitka Lüdemann-Podubeká
		Cardiometabolic Load during Robot-Assisted Gait	147. Three different methods of virtual reality based therapy and its effect on balance and weight shifting ability among children with cerebral palsy	9. Cycle ergometer training versus resistance training to improve motor function of the lower limbs in critical illness polyneuropathy: a randomised controlled trial
		14.45 - 15.00 Klaske Van Kammen	14.45 - 15.00 Michael Ellis	14.40 - 14.50 Volker Ressel
		Muscle activity during Lokomat walking	20. Increased Passive Elbow Joint and Biceps Muscle Stiffness in Chronic Stroke	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 Essers 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 Gemtracker: 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