

INTERNATIONAL CONFERENCE  
ON DEVELOPMENTAL  
COORDINATION DISORDER



CONFÉRENCE INTERNATIONALE  
SUR LE TROUBLE DE L'ACQUISITION  
DE LA COORDINATION

PROGRAM  
2 - 4 JULY 2015



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# DAY 1 DIAGNOSIS AND ASSESSMENT

9H - 10H	<b>KEYNOTE SPEAKER</b>	<b>Pr. Amanda KIRBY: Considering a lifelong approach to DCD</b>		
10H - 10H30	POSTER SESSION			
10H30 - 11H30	ROOM 1: DCD assessment Part 1		ROOM 2: DCD in adulthood	
	J.G. Zwicker, E.C.R. Mickelson & J. Shen	Diagnosing Developmental Coordination Disorder: A novel model for a research-integrated clinic	L. Dockery & E. Hill	Mental health and diagnosis in adults with Developmental Coordination Disorder (DCD): A qualitative study
	W.F.M. Aertssen, G.D. Ferguson & B.C.M. Smits-Engelsman	Psychometrics in every day clinical practice: do we test what we claim to test in children with DCD?	S. Scott-Roberts & C. Purcell	Incidence and impact of falls in adults with significant motor coordination difficulties
	R.Traub Bar-Ilan, S. Parush & N. Katz	Multidimensional profile of children with learning disabilities, with and without Developmental Coordination Disorder according to the ICF	M. Tal Saban, A. Ornoy & S. Parush	Prevalence of attention and executive function in young adults with and without Developmental Coordination Disorder: A comparative study
11H30 - 12H30	ROOM 1: DCD assessment Part 2		ROOM 2: Cognition in children with DCD Part 1	
	A. Timler, F. McIntyre, S. Crawford, M. Cantell & B. Hands	The development and evaluation of the Adolescents Motor competence Questionnaire (AMCQ): A self-report questionnaire for 12-18 years olds	M. Blais, Y. Chaix, C. Baly, M. Biotteau, J.-M. Albaret & J. Tallet	Motor perseveration and variability as markers of learning difficulties of bimanual coordination in teenagers with Developmental Coordination Disorder
	P. Asunta, H. Viholainen, T. Ahonen, P. Rintala, M. Cantell & M. Schoemaker	Reliability and validity of the Finnish version of Motor Observation Questionnaire for Teachers (MOQ-T-FI)	S. Ruddock, J. Piek, D. Sugden, C. Hyde, S. Morris, K. Caeyenberghs & P. Wilson	Modelling the real-time coupling between inhibitory systems and online control in Developmental Coordination Disorder: A 2-year longitudinal study
	AA. Cardoso, L.C. Magalhães, M.B. Rezende & A.M.V.N. Van Petten	Measurement properties of the Parents and teachers Questionnaires of the ACOORDEM	A. Gomez, M. Piazza, A. Jobert, G. Dehaene-Lambertz, S. Dehaene & C. Huron	Numerical cognition of children with Developmental Coordination Disorder
	A.E. Pienaar, D. Coetzee & A. Venter	Suitability of the "Little DCDQ" for the identification of DCD in a selected group of 3 - 5 year old South African children	S. Rosenblum, P. Waissman & G.W. Diamond	Play characteristics of children with DCD
12H30 - 14H	LUNCH BREAK			
14H - 15H	ROOM 1: DCD assessment Part 3		ROOM 2: Cognition in in children with DCD Part 2	
	R. Blank, S. Vinçon, J. Link & E. Jenetzky	Identification of Developmental Coordination Disorder by BOT-2 and M-ABC-2 (German versions)	S. Rahimi-Golkhandan, B. Steenbergen, J.P. Piek, K. Caeyenberghs & P.H. Wilson	Hot cognition in children with motor coordination problems: Insights using a go / no-go paradigm
	F. McIntyre, A. Thornton, B. Hands, M. Licari, J. Piek & D. Rigoli	Comparing the BOT-2 and MAND for identifying young adults with motor impairment	H.C. Leonard, M. Bernardi, E.L. Hill & LA Henry	Understanding executive functioning performance in Developmental Coordination Disorder: the importance of verbal and nonverbal task demands
	L.C. Magalhães, C.Linhares, A.L. Barnett, B.L.C. Moraes, C.G. Silva, O.S. Agostini & AA. Cardoso	Is the Movement Assessment Battery for Children – 2nd edition (MABC-2) valid for Brazilian children 4 to 8 years-old? A comparison between Brazil and UK	S. Houwen & M.H. Cantell	The relationship between motor and executive functioning in 3- to 5-year-old children
	J.M.A. Flores, A.V.M. Van Petten, AA. Cardoso, C.R. Lages, S.A. Costa & L.C. Magalhães	Cross-cultural adaptation of the "Here's How I Write" a self-assessment of the handwriting for the Brazilian children	S. Del Signore, F. Capozzi, R. Averna, R. Penge & G. Mirabella	The Developmental Coordination Disorder affects processing of action-related verbs
15H - 16H	ROOM 1: DCD and handwriting		ROOM 2: DCD and mental health	
	S. Rosenblum, J. Aassy Margieh & B. Engel-Yeger	Unique arabic writing characteristics of arabic children with Developmental Coordination Disorder	V. Mancini, D. Rigoli, L. Roberts, J. Cairney, B. Heritage & J. Piek	The relationship between motor coordination and internalising symptoms in a normative sample of 4 to 6 year old children
	A. Webb, S. E. Henderson & M. Stuart	An examination of the impact of increasing writing task demand on the handwritten performance of children with Developmental Coordination Disorder	M.O. Wagner, D. Jekauc, A. Worth & A. Woll	Elaboration of the Environmental Stress Hypothesis – Results from a population-based 6-year follow-up
	A. Huau, S. Bellocchi, S. Ducrot, J.-L. Velay, J. Mancini, F. Brun-Hénin & M. Jover	Handwriting and graphomotor learning in children with developmental coordination disorder and/or dyslexia	D. Rigoli, R.T Kane, F. McIntyre, A. Thornton, B. Hands, M. Licari & J. Piek	The relationship between motor coordination and mental health in young adults : A test of the Environmental Stress Hypothesis
	M. Prunty, A.L. Barnett, K. Wilmot & M. Plumb	Do measures of visual perception and visual motor integration help explain handwriting difficulties in children with DCD?		
16H - 17H	POSTER SESSION			
17H - 18H	<b>KEYNOTE SPEAKER</b>	<b>Pr. Deborah DEWEY : Rethinking Developmental Coordination Disorder (and other Neurodevelopmental Disorders)</b>		

## DAY 2 ACTION PERCEPTION AND NEURAL CORRELATES

9H - 10H	<b>KEYNOTE SPEAKER</b> <b>Dr. Michel HABIB: Neuroimaging in Developmental Coordination Disorder: a review with a focus on comorbidity</b>			
10H - 10H30	POSTER SESSION			
10H30 - 11H30	ROOM 1: Locomotion in DCD		ROOM 2: Neural correlates of DCD Part 1	
	W. Du, K. Wilmut & A.L. Barnett	Level walking in individuals with and without Developmental Coordination Disorder: an analysis of movement variability	J. Lust, H. van Schie, J. van der Helden, P. Wilson & B. Steenbergen	Neural mechanisms supporting observational motor learning in children with Developmental Coordination Disorder - An EEG study
	A.L. Barnett, K. Wilmut & W. Du	Locomotor behaviour of individuals with and without Developmental Coordination Disorder while navigating through apertures	M. Biotteau, Y. Chaix, P. Celsis, N. Chauveau, P. Péran & J.-M. Albaret	Cortical thickness in Developmental Coordination Disorder and/or Developmental Dyslexia
	R. Psotta, M. Palomo-Nieto & R. Abdollahipour	Gait pattern under the different availability of visual information in the children at a risk of DCD	D. Dewey, L.M. Langevin, K. McLeod, S.K. Thornton, K. Ten Eckye, S. Bray, F. MacMaster, C. Lebel, B.G. Goodyear, F.P. Bernier	The neurobiology of co-occurring Developmental Coordination Disorder and Attention-Deficit/Hyperactivity Disorder provides clues for genetic research
	N. Schott & I. El-Rajab	Cognitive-motor interference during walking in children with Developmental Coordination Disorder		
11H30 - 12H30	ROOM 1: DCD and perinatalty		ROOM 2: Neural correlates of DCD Part 2	
	J.G. Zwicker, M. Mackay, J. Shen, R. Brant, S.P. Miller, R.E. Grunau & A. Synnes	Early motor assessment of very preterm infants is predictive of Developmental Coordination Disorder at 4.5 years	J. Reynolds, M. Licari, J. Billington, J. Williams, C. Elliott, B. Lay, A.M. Winsor, L. Codd & M. Bynevelt	Mirror neuron activation in children with probable developmental coordination disorder: a functional MRI study
	M. Cuttini, I. Croci, M. Lacchei, G. Riccio, C. Giorno, C. Rosa & G. Giana	Very preterm birth and Developmental Coordination Disorder at school age: results from the area-based Italian ACTION follow-up study	A. Gomez, A. Jobert, G. Dehaene-Lambertz, S. Dehaene & C. Huron	Fronto-parietal differences in brain activations of children with DCD in a calculation and a saccades task: an fMRI study
	T. Grace, B. Hands, M. Bulsara & C. Pennell	Maternal preeclampsia negatively effects long term motor development	J.C. Hodgson & J.M. Hudson	Speech and motor lateralisation in adults with Developmental Coordination Disorder: a functional Transcranial Doppler imaging study
12H30 - 14H	LUNCH BREAK			
14H - 15H	ROOM 1: Perceptual motor integration in DCD		ROOM 2: Manual functions in DCD	
	B. Engel-Yéger	Sensory processing difficulties among children with DCD	E. Bieber, B. Smits-Engelsman, G. Sgandurra, G. Cioni, H. Feys, A. Guzzetta & K. Klingels	Manual function outcome measures in children with developmental coordination disorders: a systematic review
	C. Purcell, K. Wilmut & J. Wann	Do children with DCD accurately predict their action gaps in a road crossing situation?	A. Abu-Ata, D. Green, T.S. Portnoy, R. Sopher & N.Z. Ratzon	Correlations between elbow and wrist kinematics and handwriting performance among children with and without Developmental Coordination Disorder (DCD)
	S. Bellocchi, A. Huau, M. Jover, F. Brun-Hénin, J. Mancini & S. Ducrot	Oculomotor control in DCD children with and without developmental dyslexia: What is the impact of co-occurrence between neurodevelopmental disorders?	O. Costini, A. Roy, S. Faure, C. Remigereau, E. Renaud, L. Blarvillain, C. Fossoud & D. Le Gall	Gestures and Related Skills in Developmental Coordination Disorder and Developmental Dyspraxia: A production-system deficit?
	L.M. Rivard, T.D. Lee, L.R. Wishart & C. Missiuna	Do they 'look' the same? Comparing gaze patterns in school-aged children with and without developmental coordination disorder during a visual-motor task	F. Puyjarinet, J.-M. Albaret & S. Dalla Bella	Analysis of perceptual, motor and sensorimotor timing profiles of children with DCD + ADHD compared to children with ADHD and healthy children
15H - 16H	ROOM 1: DCD and internal model		ROOM 2: Symposium on Dr. Dawne Larkin's legacy	
	I.L.J. Adams, J.M. Lust, P.H. Wilson & B. Steenbergen	A critical test of the internal model deficit in children with DCD via motor imagery, motor planning and online control tasks		
	GD. Ferguson & B.C.M. Smits-Engelsman	Exploring the internal modelling deficit hypothesis in DCD	M.H. Cantell, B. Hands & E. Rose	Retrospective on the work of Dr. Dawne Larkin
	E. Sumner, H.C. Leonard & E.L. Hill	Does viewing an object elicit internal motor programs for children with Developmental Coordination Disorder?		
16H - 17H	POSTER SESSION			
17H - 18H	<b>KEYNOTE SPEAKER</b> <b>Pr. Hans FORSSBERG: Neural basis of fine motor skill learning</b>			

## DAY 3 INTERVENTION AND PARTICIPATION

9H - 10H	<b>KEYNOTE SPEAKER</b>	<b>Pr. Rod NICOLSON: Development of dyslexia: Procedural learning and delayed neural commitment</b>		
10H - 10H30 POSTER SESSION				
10H30 - 11H30	ROOM 1: DCD and physical manifestations		ROOM 2: DCD and participation Part 1	
	C.Y. Hiraga, D.T. Gama, P.H. Rocha & A.M. Pellegrini	The modulation of the Autonomous Nervous System by children with Developmental Coordination Disorders during motor performance	E. Jasmin, S. Tétreault & J. Joly	Participation and needs of school-aged children with DCD in their living environments: Perceptions of children, parents and teachers
	M. Sparrowhawk, A. Barnett & L. Wiggs	Sleep disturbance in children with and without Developmental Coordination Disorder	E.L. Hill, L. Crane & C. Alonso Soriano	Diagnosing Developmental Coordination Disorder: The Parents' Perspective
	N. Lifshitz, S. Raz-Silbiger, N. Weintraub, S. Steinhart, S.A. Cermak & N. Katz	Gender differences in physical fitness and overweight between children with and without developmental coordination disorder	E. Clark, F. Farrington, B. Hands & F. McIntyre	Feeling better now: The impact of an exercise intervention on self-concept and happiness in adolescents with low motor competence
11H30 - 12H30	ROOM 1: Intervention in DCD Part 1		ROOM 2: Physical activity in DCD	
	M. Miyahara, M. Lagisz & S. Nakagawa	Meta review of systematic and meta analytic reviews on the intervention outcome for children with Developmental Coordination Disorder	J. Cairney, C. Missiuna, B.W. Timmons, C. Rodriguez, S. Veldhuizen, S. King-Dowling, S. Wellman & T. Le	The Coordination and Activity Tracking in Children (CATCH) Study: A new prospective cohort study to examine DCD and the activity-deficit in early childhood
	A. Overvelde, M. Jongbloed-Pereboom & M.W.G. Nijhuis-van der Sanden	Playful learning to write with a particular Teacher: feasibility of the digital writing program Teacher in a Box in education and rehabilitation	M. Kwan, M. Greenway, C. Missiuna, B. Timmons & J. Cairney	Parental Influences on physical activity behavior in children at risk for DCD
	C. Marquardt & M. Diaz-Meyer	Kinematic movement analysis in handwriting: A diagnostic tool to enhance training in writers with and without DCD	S. King-Dowling, C. Missiuna, B.W. Timmons & J. Cairney	DCD risk and aerobic and anaerobic fitness in early childhood: Preliminary results from the CATCH Study
12H30 - 14H LUNCH BREAK				
14H - 15H	ROOM 1: Intervention in DCD Part 2		ROOM 2: DCD and participation Part 2	
	C.A.L. Miles, G. Wood, S.J. Vine, J.N. Vickers & M.R. Wilson	A quiet eye intervention to improve the catching performance of children with Developmental Coordination Disorder	C. Camden, W. Campbell, D. Stewart, C. Hecimovich, L. Dix, K. Floyd, D. Haughton, E. Graham, D. McCauley & C. Missiuna	Implementing the "Partnering for Change" service delivery model: What do stakeholders say?
	P. Caçola, M. Romero, M. Ibane & J. Chuang	Effects of two distinct group motor skill interventions in psychological and motor skills of children with Developmental Coordination Disorder	C. Missiuna, W. Campbell, N. Pollock, C. DeCola, C. Camden & D. McCauley	Finding the children who "fall through the cracks": Describing children with Developmental Coordination Disorder who are identified using the Partnering for Change service delivery model
	L.D. Jelsma, B.C.M. Smits-Engelsman & R.H. Geuze	Changes in dynamic balance control over time in children with and without Developmental Coordination Disorder	W. Campbell, C. Camden, D. Stewart, E. Graham, L. Dix & C. Missiuna	Evidence-Based Management of Children with Developmental Coordination Disorder: What Can Implementation Science Offer?
15H - 16H	ROOM 1: Intervention in DCD Part 3		ROOM 2: Workshop	
	M.M. Schoemaker, H.A. Reinders-Messelink, A. Peek, M. Okken, I. van der Veer & B.C.M. Smits-Engelsman	Development and reliability of the Motor Teaching Taxonomy - a tool to study the use of motor teaching principles in intervention	C. Huron	Le cartable fantastique : A toolbox for children with DCD (en français)
	W. Campbell, S. Bennett, C. Camden, L. Dix, N. Pollock, K. Wlodarczyk, & C. Missiuna	School-based educators and occupational therapists collaborating to support students with Developmental Coordination Disorder (DCD)	C. Huron	the fantastic satchel: A toolbox for children with DCD (in english)
	C.R.S. Araujo & L.C. Magalhães	Effects of the Cognitive Orientation to Daily Occupational Performance (CO-OP) on Brazilian children with Developmental Coordination Disorder		
16H - 17H POSTER SESSION				
17H - 18H	<b>KEYNOTE SPEAKER</b>	<b>Dr. Marie-Laure KAISER: Different profiles of children with developmental coordination disorder (DCD): Challenges for research and intervention</b>  <b>Dr. Bouwien SMITS-ENGELSMAN: Paradigm shift from a deficit to a task oriented point of view: Consequences for assessment and skill acquisition strategies in children with DCD</b>		