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Dynamic control of balance in children with Developmental Coordination Disorder

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List of Publications



LIST OF PUBLICATIONS

- Bonney E., Jelsma L.D., Ferguson G.D., & Smits-Engelsman B.C. (2017). Learning better by repetition or variation? Is transfer at odds with task specific training? *Plos One*, 23, 12, 3, e0174214. doi: 10.1371/journal.pone.0174214
- Bonney E., Jelsma L.D., Ferguson G.D., & Smits-Engelsman B.C. (2017). Variable training does not lead to better motor learning compared to repetitive training in children with and without DCD when exposed to active video games. *Research in Developmental Disabilities*, 62, 124-136. doi: 10.1016/j.ridd.2017.01.013. Epub 2017 Jan 31.
- Jelsma L.D., Smits-Engelsman B.C.M., Krijnen W.P., & Geuze R.H. (2016). Changes in dynamic balance control over time in children with and without Developmental Coordination Disorder *Human Movement Science*, 49, 148–159. <http://dx.doi.org/10.1016/j.humov.2016.07.00>.
- Smits-Engelsman, B.C.M., Jelsma L.D., & Ferguson G.D. (2016). The effect of exergames on functional strength, anaerobic fitness, balance and agility in children with and without motor coordination difficulties living in low-income communities. *Human Movement Science*, 13. pii: S0167-9457(16)30099-9. doi: 10.1016/j.humov.2016.07.006.
- Smits-Engelsman, B.C.M., Jelsma, L.D., Ferguson, G.D., & Geuze, R.H. (2015). Motor learning: an Analysis of 100 trials of a ski slalom game in children with and without Developmental Coordination Disorder. *Plos ONE*, 10(10), e0140470. doi: 10.1371/journal.pone.0140470.
- Jelsma L.D., Ferguson G.D., Smits-Engelsman B.C.M., & Geuze, R.H. (2015). Short term motor learning of dynamic balance control in children with probable Developmental Coordination Disorder. *Research in Developmental Disabilities*, 38, 213-222.
- Jelsma D., Geuze R.H., Mombarg R., & Smits-Engelsman B.C.M. (2015). The impact of Wii Fit intervention on dynamic balance control in children with probable Developmental Coordination Disorder and balance Problems. *Human Movement Science*, 33, 404–418.
- Mombarg, R., Jelsma, D., & Hartman, E. (2013). Effect of Wii-intervention on balance of children with poor motor performance. *Research in Developmental Disabilities*, 34, 2996–3003. <http://dx.doi.org/10.1016/j.ridd.2013.06.008>.
- Ferguson, G.D., Jelsma ,D., Jelsma, J., & Smits-Engelsman, B.C.M. (2013). The efficacy of two task-orientated interventions for children with Developmental Coordination Disorder: NeuromotorTask Training and Nintendo Wii Fit training. *Research in Developmental Disabilities*, 34, 2449–2461. <http://dx.doi.org/10.1016/j.ridd.2013.05.007>.
- Jelsma L.D., Geuze R.H., Klerks M., Niemeijer A.S. & Smits-Engelsman BCM. (2013) The relation between joint mobility and motor performance in children with and without the diagnosis of Developmental Coordination Disorder. *BMC Pediatrics*, 13, 35. DOI: 10.1186/1471-2431-13-35 <http://www.biomedcentral.com/1471-2431/13/35>.
- Douma-van Riet D., Verschuren O., Jelsma D., Kruitwagen C., Smits-Engelsman B., & Takken T. (2012). Reference values for the muscle power sprint test in 6- to 12 year-old children. *Pediatric Physical Therapy*, 24, 327-32. DOI: 10.1097/PEP.0b013e3182694a4c .
- Jelsma J, Pronk M, Ferguson G, & Jelsma-Smit D. (2013). The effect of the Nintendo Wii Fit on balance control and gross motor function of children with spastic hemiplegic cerebral palsy. *Developmental Neurorehabilitation*,

16(1), 27-37. DOI: 10.3109/17518423.2012.711781.

Jelsma L.D, van Bergen-Verhoef L.L.J, Niemeijer A.S, & Smits-Engelsman BCM. (2010). Overeenstemming tussen de Movement Assessment Battery for Children second edition en de Bruininks-Oseretsky Test for Motor Proficiency second edition bij kinderen van 7-11 jaar. *Nederlands Tijdschrift voor Kinderfysiotherapie*, 64, 16-17.

