

**COGMED REFERENCES****79 PUBLISHED COGMED TRAINING STUDIES**

- Åkerlund, E., Esbjörnsson, E., Sunnerhagen, K.S., Björkdahl, A. (2013). Can computerized working memory training improve impaired working memory, cognition and psychological health? *Brain Injury*, 27(13-14),1649-1657. doi: 10.3109/02699052.2013.830195
- Astle, D. E., Barnes, J. J., Baker, K., Colclough, G. L., & Woolrich, M. W. (2015). Cognitive training enhances intrinsic brain connectivity in childhood. *The Journal of Neuroscience*, 35(16), 6277-6283. doi: 10.1523/JNEUROSCI.4517-14.2015
- Au, J., Berkowitz-Sutherland, L., Schneider, A., Schweitzer, J.B., Hessel, D., & Hagerman, R. (2014). A feasibility trial of Cogmed working memory training in fragile X syndrome. *Journal of Pediatric Genetics*, 3(3), 147- 156. doi: 10.3233/PGE-14098
- Beck, S.J., Hanson, C.A., Puffenberger, S.S., Benninger, K.L., & Benninger, W.B. (2010).A controlled trial of working memory training for children and adolescents with ADHD. *Journal of Clinical Child and Adolescent Psychology*, 39(6), 825 -836. doi: 10.1080/15374416.2010.517162
- Bellander, M., Brehmer, Y., Westerberg, H., Karlsson, S., Fürth, D., Bergman, O., Eriksson, E., & Bäckman, L. (2011). Preliminary evidence that allelic variation in the LMX1A gene influences training-related working memory improvement. *Neuropsychologia*, 49, 1938 -1942.doi:10.1016/j.neuropsychologia.2011.03.021
- Bennett, S., Holmes, J., & Buckley, S. (2013). Computerized memory training leads to sustained improvement in visuo-spatial short term memory skills in children with Down syndrome. *American Journal on Intellectual and Developmental Disabilities*, 118(3), 179-192. doi: 10.1352/1944-7558-118.3.179.
- Berman-Nutley, S. & Klingberg, T. (2014). Effect of working memory training on working memory, arithmetic and following instructions. *Psychological Research*, 78, 869–877. doi: 10.1007/s00426-014-0614-0

- Bergman-Nutley, S., Söderqvist, S., Bryde, S., Thorell, L.B., Humphreys, K., & Klingberg, T. (2011). Gains in fluid intelligence after training non-verbal reasoning in 4-year-old children: A controlled, randomized study. *Developmental Science, 14*(3), 591 -601. doi:10.1111/j.1467-7687.2010.01022.x
- Bigorra, A., Garolera, M., Guijarro, S., Hervás, A. (2015). Long term far-transfer effects of working memory training in children with ADHD: A randomized controlled trial. *European Child & Adolescent Psychiatry*. Advanced Online Publication.
- Björkdahl, A., Åkerlund, E., Svensson, S., & Esbjörnsson, E. (2013). A randomized study of computerized working memory training and effects on functioning in everyday life for patients with brain injury. *Brain Injury, 27*(13-14), 1658-1665. doi:10.3109/02699052.2013.830196
- Brehmer, Y., Rieckmann, A., Bellander, M., Westerberg, H., Fischer, H., & Bäckman, L. (2011). Neural correlates of training-related working-memory gains in old age. *NeuroImage, 58*(4),1110-1120.doi:10.1016/j.neuroimage.2011.06.079
- Brehmer, Y., Westerberg, H., & Bäckman, L. (2012). Working-memory training in younger and older adults: Training gains, transfer, and maintenance. *Frontiers in Human Neuroscience, 6*(63), 1-7.doi:10.3389/fnhum.2012.00063
- Brehmer, Y., Westerberg, H., Bellander, M., Fürth, D., Karlsson, S., & Bäckman, L. (2009). Working memory plasticity modulated by dopamine transporter genotype. *Neuroscience Letters, 467*, 117 -120. doi:10.1016/j.neulet.2009.10.018
- Chacko, A., Bedard, A.C., Marks, D.J., Feirsen, N., Uderman, J.Z., Chimiklis, A., Rajwan, E., Cornwell, M., Anderson, L., Zwilling, A., Ramon, M. (2014). A randomized clinical trial of Cogmed Working Memory Training in school-age children with ADHD: A replication in a diverse sample using a control condition. *Journal of Child Psychology and Psychiatry, 55*(3), 247- 255.
- Conklin, H.M., Ogg, R.J., Ashford, M.A., Scoggins, P., Clark, K.N., Martin-Elbahesh, K., Hardy, K.K., Merchant, T.E., Jeha, S., Huang, L., & Zhang, H. (2015). Computerized cognitive training for amelioration of cognitive late effects among childhood cancer

- survivors: A randomized controlled trial. *Journal of Clinical Oncology*, 33(33), 3894-3902. doi: 10.1200/JCO.2015.61.6672
- Cox, L. E., Ashford, J. M., Clark, K. N., Martin-Elbahesh, K., Hardy, K. K., Merchant, T. E., ... & Conklin, H. M. (2015). Feasibility and acceptability of a remotely administered computerized intervention to address cognitive late effects among childhood cancer survivors. *Neuro-Oncology Practice*, 2(2), 78-87. doi: 10.1093/nop/npu036
- Dahlin, K.I.E. (2011). Effects of working memory training on reading in children with special needs. *Reading and Writing*, 24, 479-491. doi:10.1007/s11145-010-9238-y
- Dahlin, K.I.E. (2013). Working memory training and the effect on mathematical achievement in children with attention deficits and special needs. *Journal of Education and Learning*, 2(1), 118 – 133. doi:10.5539/jel.v2n1p118
- Dunning, D.L., & Holmes, J. (2014). Does working memory training promote the use of strategies on untrained working memory tasks? *Memory & Cognition*, 42(6), 854 – 862. doi:10.3758/s13421-014-0410-5
- Dunning, D.L., Holmes, J. & Gathercole, S.E. (2013). Does working memory training lead to generalized improvements in children with low working memory? A randomized controlled trial. *Developmental Science*, 16(6), 915 -925. doi: 10.1111/desc.12068
- Egeland, J., Aarlien, A.K., & Saunes, B-K. (2013). Few effects of far transfer of working memory training in ADHD: A randomized controlled trial. *PLoS ONE*, 8(10), e75660. doi:10.1371/journal.pone.0075660
- Fälth, L., Jaensson, L., Johansson, K. (2015). Working memory training – a Cogmed intervention. *International Journal of Learning, Teaching and Educational Research*, 14(2), 28-35.
- Ferguson, M.A., & Henshaw, H.(2015). Auditory training can improve working memory, attention and communication in adverse conditions for adults with hearing loss. *Frontiers in Psychology*, 6(556). doi: 10.3389/fpsyg.2015.00556

- Foy, J.G. & Mann, V.A. (2014). Adaptive cognitive training enhances executive control and visuospatial and verbal working memory in beginning readers. *International Education Research, 2*(2), 19-43. doi: 10.12735/ier.v2i2p19
- Gibson, B.S., Gondoli, D.M., Johnson, A.C., & Robinson, M.K. (2014). Recall initiation strategies must be controlled in training studies that use immediate free recall tasks to measure the components of working memory capacity across time. *Child Neuropsychology, 20*(5), 539-556. doi: 10.1080/09297049.2013.826185
- Gibson, B.S., Gondoli, D.M., Johnson, A.C., Steeger, C.M., Dobrzanski, B.A., & Morrissey, R.A.(2011). Component analysis of verbal versus spatial working memory training in adolescents with ADHD: A randomized, controlled trial. *Child Neuropsychology, 17*(6), 546-563. doi:10.1080/09297049.2010.551186
- Gibson, B., Gondoli, D., Kronenberger, W., Johnson, A., Steeger, C., Morrissey, R. (2013). Exploration of an adaptive training regimen that can target the secondary memory component of working memory capacity. *Memory & Cognition, 41*(50), 726-737. doi: 10.3758/s13421-013-0295-8.
- Gibson, B.S., Kronenberger, W.G., Gondoli, D.M., Johnson, A.C., Morrissey, R.A., & Steeger, C.M. (2012). Component analysis of simple span vs. complex span adaptive working memory exercises: A randomized, controlled trial. *Journal of Applied Research in Memory and Cognition, 1*(3), 179-184. doi:10.1016/j.jarmac.2012.06.005
- Gray, S.A., Chaban, P., Martinussen, R., Goldberg, R., Gotlieb, H., Kronitz, R., Hockenberry, M., & Tannock, R. (2012). Effects of a computerized working memory training program on working memory, attention, and academics in adolescents with severe LD and comorbid ADHD; a randomized controlled trial. *Journal of Child Psychology and Psychiatry, 53*(12), 1277 – 1284. doi: 10.1111/j.1469-7610.2012.02592.x
- Green, C.T., Long, D.L., Green, D., Iosif, A., Dixon, F., Miller, M.R., Fassbender, C., & Schweitzer, J.B. (2012). Will working memory training generalize to improve off-task behavior in children with Attention-Deficit/Hyperactivity Disorder? *Neurotherapeutics, 9*(3), 639-648. doi:10.1007/s13311-012-0124-y

- Gropper, R.J., Gotlieb, H., Kronitz, R., & Tannock, R. (2014). Working memory training in college students with ADHD or LD. *Journal of Attention Disorders, 18*(4), 331-345. doi:10.1177/1087054713516490
- Grunewaldt, K.H., Løhaugen, G.C.C., Austeng, D.A., Brubakk, A., & Skranes, J. (2013). Working memory training improves cognitive function om VLBW preschoolers. *Pediatrics, 131*(3), e747-54. doi: 10.1542/peds.2012-1965
- Grunewaldt, K.H., Skranes, J., Brubakk, Løhaugen, G.C.C. (2016). Computerized working memory training has positive long-term effect in very low birthweight preschool children. *Developmental Medicine & Child Neurology, 58*(2), 195 -201. doi: 10.1111/dmcn.12841
- Hadwin, J.A., & Richards, H.J. (2016). Working memory training and CBT reduces anxiety symptoms and attentional biases to threat: A preliminary study. *Frontiers in Psychology, 7*(47). doi: 10.3389/fpsyg.2016.00047
- Hardy, K.K., Willard, V.W., Allen, T.M., & Bonner, M.J. (2013). Working memory training in survivors of pediatric cancer: A randomized pilot study. *Psycho-Oncology, 22*(8), 1856-1865. doi:10.1002/pon.3222
- Hayashi, Y., Kobayashi, T., and Toyoshige, T. (2015). Investigating the relative contributions of computerised working memory training and English language teaching to cognitive and foreign language development. *Applied Cognitive Psychology*. Advanced Online Publication.
- Hellgren, L., Samuelsson, K., Lundqvist, A., Börsbo, B. (2015). Computerized training of working memory for patients with acquired brain injury. *Open Journal of Therapy and Rehabilitation, 3*(2), 46-55. doi:10.4236/ojtr.2015.32007
- Holmes, J., Butterfield, S., Cormack, F., van Loenhoud, A., Ruggero, L., Kashikar, L., & Gathercole, S. (2015). Improving working memory in children with low language abilities. *Frontiers in Psychology, 6*, 519. doi:10.3389/fpsyg.2015.00519

- Holmes, J. & Gathercole, S.E. (2014). Taking working memory training from the laboratory into schools. *Educational Psychology: An International Journal of Experimental Educational Psychology*, 34(4), 440-450. doi:10.1080/01443410.2013.797338
- Holmes, J., Gathercole, S.E., & Dunning, D.L. (2009). Adaptive training leads to sustained enhancement of poor working memory in children. *Developmental Science*, 12(4), F9-F15. doi: 10.1111/j.1467- 7687.2009.00848x
- Holmes, J., Gathercole, S.E., Place, M., Dunning, D.L., Hilton, K.A., & Elliot, J.G. (2010). Working memory deficits can be overcome: Impacts of training and medication on working memory in children with ADHD. *Applied Cognitive Psychology*, 24(6), 827-836. doi: 10.1002/acp.1589
- Hovik, K.T., Saunes, B., Aarlien, A.K., & Egeland, J. (2013). RCT of working memory training in ADHD: Long-term near-transfer effects. *PLoS ONE*, 8(12), e80561. doi: 10.1371/journal.pone.0080561
- Hyer, L., Scott, C., Atkinson, M.M., Mullen, C.M., Lee, A., Johnson, A., & McKenzie, L.C. (2015). Cognitive training program to improve working memory in older adults with MCI. *Clinical Gerontologist*. Advanced Online Publication.
- Johansson, B., & Tornmalm, M. (2012). Working memory training for patients with acquired brain injury: Effects in daily life. *Scandinavian Journal of Occupational Therapy*, 19(2), 176-183. doi:10.3109/11038128.2011.603352
- Kerr, E.N., & Blackwell, M.C. (2015). Near-transfer effects following working memory intervention (Cogmed) in children with symptomatic epilepsy: An open randomized clinical trial. *Epilepsia*, 56(11), 1784 - 1792. doi: 10.1111/epi.13195
- Klingberg, T., Fernell, E., Olesen, P.J., Johnson, M., Gustafsson, P., Dahlström, K., Gillberg, C.G., Forssberg, H., & Westerberg, H. (2005). Computerized training of working memory in children with ADHD – a randomized, controlled trial. *Journal of the American Academy of Child & Adolescent Psychiatry*, 44(2), 177-186.

- Klingberg, T., Forssberg, H., & Westerberg, H. (2002). Training of working memory in children with ADHD. *Journal of Clinical and Experimental Neuropsychology*, *24*(6), 781 -791.
- Kronenberger, W.G., Pisoni, D.B., & Henning, S.C., & Colson, B.G., & Hazzard, L.M. (2011). Working memory training for children with cochlear implants: A pilot study. *Journal of Speech, Language, and Hearing Research*, *54*(4), 1182 -1196.
- Liu, Z., Glizer, D., Tannock, R., & Woltering, S. (2016). EEG alpha power during maintenance of information in working memory in adults with ADHD and its plasticity due to working memory training: A randomized controlled trial. *Clinical Neurophysiology*, *127*(2), 1307-1320. doi:10.1016/j.clinph.2015.10.032
- Løhaugen, G.C.C., Antonsen, I., Håberg, A., Gramstad, A., Vik, T., Brubakk, A.M., & Skranes, J. (2011). Computerized working memory training improves function in adolescents born at extremely low birth weight. *Journal of Pediatrics*, *158*(4), 555-561.
- Lundqvist, A., Gundström, K., & Rönnerberg, J.(2010). Computerized working memory training in a group of patients suffering from acquired brain injury. *Brain Injury*, *24*(10), 1173- 1183.
- Maroti, D., Westerberg, A.F., Saury, J.M., & Bileviciute-Ljungar, I. (2015). Computerized training improves verbal working memory in patients with myalgic encephalomyelitis/chronic fatigue syndrome: A pilot study. *Journal of Rehabilitation Medicine*, *47*(7), 665-668. doi: 10.2340/16501977-1976.
- Mawjee, K., Woltering, S., Lai, N., Gotlieb, H., Kronitz, R., & Tannock, R. (2014). Working memory training in ADHD: Controlling for engagement, motivation, and expectancy of improvement (pilot study). *Journal of Attention Disorders*. Advanced Online Publication.
- Mawjee, K., Woltering, S., & Tannock, R. (2015). Working memory training in post-secondary students with ADHD: A randomized controlled study. *PLoS ONE*, *10*(9), e0137173. doi: 10.1371/journal.pone.0137173

- McNab, F., Varrone, A., Farde, L., Jucaite, A., Bystritsky, P., Forsberg, H., & Klingberg, T. (2009). Changes in cortical dopamine D1 receptor binding associated with cognitive training. *Science*, *323*, 800 - 802. doi:10.1126/science.1166102
- Metzler-Baddeley, C., Caeyenberghs, K., Foley, S., & Jones, D.K. (2016). Task complexity and location specific changes of cortical thickness in executive and salience networks after working memory training. *Neuroimage*. Advanced Online Publication.
- Mezzacappa, E. & Buckner, J.C. (2010). Working memory training for children with attention problems or hyperactivity: A school-based pilot study. *School Mental Health*, *2*(4), 202- 208. doi: 10.1007/s12310-010-9030-9.
- Olesen, P.J., Westerberg, H., & Klingberg, T. (2004). Increased prefrontal and parietal activity after training of working memory. *Nature Neuroscience*, *7*(1), 75- 79. doi:10.1038/nn1165
- Otterson, J. & Grill, K.M. (2015). Benefits of extending and adjusting the level of difficulty on computerized cognitive training for children with intellectual disabilities. *Frontiers in Psychology*, *6*, 1233. doi:10.3389/fpsyg.2015.01233
- Partanen, P., Jansson, B., Lisspers, J., & Sundin, Ö. (2015). Metacognitive strategy training adds to the effects of working memory training in children with special educational needs. *International Journal of Psychological Studies*, *7*(3), 130 - 140. doi:10.5539/ijps.v7n3p130
- Rass, O., Schacht, R.L., Buckheit, K., Johnson, M.W., Strain, E.C., & Mintzer, M.Z. (2015). A randomized controlled trial of the effects of working memory training in methadone maintenance patients. *Drug and Alcohol Dependence*, *156*, 38 -46. doi:10.1016/j.drugalcdep.2015.08.012
- Roughan, L., & Hadwin, J.A. (2011). The impact of working memory training in young people with social, emotional and behavioral difficulties. *Learning and Individual Differences*, *21*, 759-764. doi:10.1016/j.lindif.2011.07.011



- Sacks-Zimmerman, A., Duggal, D., & Liberta, T. (2015). Cognitive remediation therapy for brain tumor survivors with cognitive deficits. *Cureus*, 7(10), e350. <http://doi.org/10.7759/cureus.350>
- Saunders, N., Downham, R., Turman, B., Kropotov, J., Clark, R., Yumash, R., & Szatmary, A. (2014). Working memory training with tDCS improves behavioral and neurophysiological symptoms in pilot group with post-traumatic stress disorder (PTSD) and with poor working memory. *Neurocase: The Neural Basis of Cognition*, 21(3), 271 -278. doi: 10.1080/13554794.2014.890727
- Söderqvist, S., & Bergman Nutley, S. (2015). Working memory training is associated with long term attainments in math and reading comprehension. *Frontiers in Psychology*, 6, 1711. doi:10.3389/fpsyg.2015.01711.
- Söderqvist, S., Bergman Nutley, S., Peyrard-Janvid, M., Matsson, H., Humphreys, K., Kere, J., Klingberg, T. (2012). Dopamine, working memory, and training induced plasticity: Implications for developmental research. *Developmental Psychology*, 48(3), 836-843. doi:10.1037/a0026179
- Söderqvist, S., Nutley, S.B., Ottersen, J., Grill, K.M., Klingberg, T. (2012). Computerized training of non-verbal reasoning and working memory in children with intellectual disability. *Frontiers in Human Neuroscience*, 6, 271. doi: 10.3389/fnhum.2012.00271
- Söderqvist, S., Matsson, H., Peyrard-Janvid, M., Kere, J., Klingberg, K. (2014). Polymorphisms in the dopamine receptor 2 gene region influence improvements during working memory training in children and adolescents. *Journal of Cognitive Neuroscience*, 26(1), 54-62. doi:10.1162/jocn\_a\_00478
- Steger, C.M., Gondoli, D.M., Gibson, B.S., & Morrissey. (2016). Combined cognitive and parent training interventions for adolescents with ADHD and their mothers: A randomized controlled trial. *Child Neuropsychology*, 22(4), 394-419. doi:10.1080/09297049.2014.994485

- Stevens, M.C., Gaynor, A., Bessette, K.L., & Pearlson, G.D. (2015). A preliminary study of the effects of working memory training on brain function. *Brain Imaging and Behavior*. Advanced Online Publication.
- Thorell, L.B., Lindqvist, S., Bergman Nutley, S., Bohlin, G. & Klingberg, T. (2009). Training and transfer effects of executive functions in preschool children. *Developmental Science*, 12(1), 106 -133. doi:10.1111/j.1467-7687.2008.00745
- van der Donk, M., Hiemstra-Beernink, A., Tjeenk-Kalff, A., van der Leij, A., & Lindauer, R. (2015). Cognitive training for children with ADHD: A randomized controlled trial of cogmed working memory training and 'paying attention in class'. *Frontiers in Psychology*, 6, 1081. doi:10.3389/fpsyg.2015.01081
- van Dongen-Boomsma, M., Vollebregt, M.A., Buitelaar, J.K., & Slaats-Willemse, D. (2014). Working memory training in young children with ADHD: a randomized placebo-controlled trial. *Journal of Child Psychology and Psychiatry*, 55(8), 886-896. doi: 10.1111/jcpp.12218.
- van Dongen-Boomsma, M., Vollebregt, M.A., Slaats-Willemse, D., & Buitelaar, J.K. (2015). Efficacy of frequency-neurofeedback and Cogmed JM-working memory training in children with ADHD [Article in Dutch]. *Tijdschrift voor psychiatrie*, 57(7), 508-516.
- Vermeij, A., Claassen, J.A.H.R., Dautzenberg, P.L.J., & Kessels, R.P.C. (2015). Transfer and maintenance effects of online working-memory training in normal ageing and mild cognitive impairment. *Neuropsychological Rehabilitation: An International Journal*. Advanced Online Publication.
- Vermeij, A., Kessels, R.P.C., Heskamp, L., Simons, E.M.F., Dautzenberg, P.L.J., & Claassen, J.A.H.R. (2016). Prefrontal activation may predict working-memory training gain in normal aging and mild cognitive impairment. *Brain Imaging and Behavior*. Advanced Online Publication.
- Westerberg, H., & Klingberg, T. (2007). Changes in cortical activity after training of working memory – a single-subject analysis. *Physiology and Behavior*, 92(1-2), 186 -192. doi:10.1016/j.physbeh.2007.05.041

Westerberg, H., Jacobaeus, H., Hirvikoski, T., Clevberger, P., Östensson, M.L., Bartfai, A., & Klingberg, T. (2007). Computerized working memory training after stroke – a pilot study. *Brain Injury*, 21(1), 21-29. doi:10.1080/02699050601148726

Yin, A.S., Lee, K., Cheam, F., Poon, K., & Koh, J. (2015). Updating and working memory training: Immediate improvement, long-term maintenance, and generalizability to non-trained tasks. *Journal of Applied Research in Memory and Cognition*, 4(2), 121 - 128. doi:10.1016/j.jarmac.2015.03.001

### **PUBLISHED RESEARCH PROTOCOLS & PRESENTATIONS**

Flak, M. M., Hernes, S. S., Skranes, J., & Løhaugen, G. C. (2014). The Memory Aid study: protocol for a randomized controlled clinical trial evaluating the effect of computer-based working memory training in elderly patients with mild cognitive impairment (MCI). *Trials*, 15, 156. doi:10.1186/1745-6215-15-156

Henshaw, H. & Ferguson, M.A. (2013). Working memory training for adult hearing aid users: Study protocol for a double-blind randomized active controlled trial. *Trials*, 14(417). doi:10.1162/jocn\_a\_00478

Kuni, B., Yeh, E.A., & Till, C. (2014). Feasibility of implementing a computerized working memory training program in patients with pediatric-onset Multiple Sclerosis [Abstract]. *Archives of Physical Medicine and Rehabilitation*, 95(10), e33. doi:10.1016/j.apmr.2014.07.090

Løhaugen, G.C.C., Beneventi, H., Andersen, G.L., Sundberg, C., Østgård, H.F., Bakkan, E., Walther, G., Torstein, V., & Skranes, J. (2014). Do children with cerebral palsy benefit from computerized working memory training? Study protocol for a randomized controlled trial. *Trials*, 15(269). doi:10.1186/1745-6215-15-269

Pascoe, L., Roberts, G., Doyle, L.W., Lee, K.J., Thompson, D.K., Seal, M.L., Josev, E.K., Nosarti, C., Gathercole, S., & Anderson, P.J. (2013). Preventing academic difficulties in preterm children: a randomised controlled trial of an adaptive working memory training intervention -- IMPRINT study. *BMC Pediatrics*, 13(144). doi:10.1186/1471-2431-13-144

Roberts G., Quach J., Gold L., Anderson P., Rickards F., Mensah F., Ainley J., Gathercole S., & Wake, M. (2011). Can improving working memory prevent academic difficulties? A school based randomised controlled trial. *BMC Pediatrics*, *11*(57). doi:10.1186/1471-2431-11-57

Schacht, R.L., Johnson, M.W., Strain, E.C., & Mintzer, M. (2014). Effects of working-memory training in methadone maintenance patients [Abstract]. *Drug and Alcohol Dependence*, *140*, e197. doi:10.1016/j.drugalcdep.2014.02.550

van der Donk, M.L.A., Hiemstra-Beernink, A., Tjeenk-Kalff, A.C., van der Leij, A.V. & Lindauer, R.J.L. (2013). Interventions to improve executive functioning and working memory in school-aged children with AD(H)D: A randomised controlled trial and stepped-care approach. *BMC Psychiatry*, *13*(23). doi:10.1186/1471-244X-13-23

Vermeij, A., Claassen, J.A., & Kessels, R.P. Transfer effects of online working-memory training in health older adults and mild cognitive impairment [Abstract]. *Alzheimer's & Dementia*, *10*(4), Supplement, P311. doi: 10.1016/j.jalz.2014.05.254

## **BOOKS/BOOK CHAPTERS**

Entwistle, P.C., & Shinaver, C. (2014). Working memory training & Cogmed. In S. Goldstein & J.A. Naglieri (Ed.), *Handbook of Executive Functioning*, pp. 475-493. New York: Springer Science+ Business Media.

Holmes, J., Gathercole, S.E., & Dunning, D.L. (2010). Poor working memory: Impact and interventions. In J. Holmes (Ed.), *Advances in Child Development and Behavior Developmental Disorders and Interventions, Volume 39* (pp. 1- 43). Burlington: Academic Press.

Hyer, L., Mullen, C., McKenzie, L. (2015). Cognitive training for mildly impaired older adults. In P.A. Lichtenberg, B.T. Mast, B.D. Carpenter, & J. Loebach Wetherell (Eds.), *APA handbook of clinical geropsychology, Vol. 2: Assessment, treatment, and issues of later life. APA handbooks in psychology* (pp. 341-368). Washington, DC: American Psychological Association.

Klingberg, T. (2008). *The overflowing brain: Information overload and the limits of working memory*. New York, NY: Oxford University Press.

Klingberg, T. (2012). *The learning brain: Memory and brain development in children*. New York, NY: Oxford University Press.

Klingberg, T. (2014). Training of working memory and attention. In Michael I. Posner (Ed.), *Cognitive Neuroscience of Attention*, pp. 475 – 486.

Shinaver, C., & Entwistle, P. (2015). Computerized cognitive training based on neuroplasticity. In N.A. Dewan, J.S. Luo, & N.M. Lorenzi (Eds.), *Mental Health Practice in a Digital World: A Clinicians Guide*, pp. 81 -122. New York: Springer International Publishing.

#### **PUBLISHED DOCTORAL DISSERTATIONS**

Dahlin, K. I. E. (submitted). A three-year follow-up study: Students' performances in reading and mathematics three years after five-week computerized working memory training. *European Journal of Special Needs Education*.

Yuan, K., & Adviser-Shavelson, R. J. (2007). *Impact of computerized cognitive training on working memory, fluid intelligence, and science achievement*. Stanford University.

#### **PUBLISHED REVIEW ARTICLES**

Chacko, A., Feirsen, N., Bedard, A., Marks, D., Uderman, J.Z., & Chimiklis, A. (2013). Cogmed Working Memory Training for youth with ADHD: A closer examination of efficacy utilizing evidence- based criteria. *Journal of Clinical Child & Adolescent Psychology*, 42(6), 769-783. doi: 10.1080/15374416.2013.787622

Chang, L., Løhaugen, G.C., Douet, V., Miller, E.N., Skranes, J., & Ernst, T. (2016). Neural correlates of working memory training in HIV patients: Study protocol for a randomized controlled trial. *Trials*,17(62). doi: 10.1186/s13063-016-1160-4

- Diamond, A., & Lee, K. (2011). Interventions shown to aid executive function development in children 4 to 12 years old [Special section]. *Science*, 333, 959-963. doi: 10.1126/science.1204529
- Gathercole, S.E., Dunning, D.L., & Holmes, J. (2012). Cogmed training: Let's be realistic about intervention research. *Journal of Applied Research in Memory and Cognition*, 1(3), 201-203. doi:10.1016/j.jarmac.2012.06.003
- Gibson, B.S., Gondoli, D.M., Johnson, A.C., Steeger, C.M., & Morrissey, R.A. (2012). The future promise of Cogmed working memory training. *Journal of Applied Research in Memory and Cognition*, 1(3), 214-216. doi:10.1016/j.jarmac.2012.06.003
- Hulme, C. & Melby-Levåg, M. (2012). Current evidence does not support the claims made for CogMed working memory training. *Journal of Applied Research in Memory and Cognition*, 1(3), 197-200. doi:10.1016/j.jarmac.2012.06.003
- Jaeggi, S.M., Buschkuhl, M., Jonides, J., & Shah, P. (2012). Cogmed and working memory training –Current challenges and the search for underlying mechanisms. *Journal of Applied Research in Memory and Cognition*, 1(3), 211-213. doi:10.1016/j.jarmac.2012.06.003
- Klingberg, T. (2010). Training and plasticity of working memory. *Trends in Cognitive Sciences*, 14(7), 317 -324. doi: 10.1016/j.tics.2010.05.002
- Klingberg, T. (2012). Is working memory capacity fixed? *Journal of Applied Research in Memory and Cognition*, 1(3), 194-196. doi: 10.1016/j.jarmac.2012.06.003
- Logie, R.H. (2012). Cognitive training: Strategies and the multicomponent cognitive system. *Journal of Applied Research in Memory and Cognition*, 1(3), 206-207. doi:10.1016/j.jarmac.2012.06.003
- Morrison, A.B., & Chein, J.M. (2012). The controversy over Cogmed. *Journal of Applied Research in Memory and Cognition*, 1(3), 208-210. doi:10.1016/j.jarmac.2012.06.003
- Rutledge, K.J., van den Bos, W., McClure, S.M., Schweitzer, J.B. (2012). Training cognition

in ADHD: Current findings, borrowed concepts, and future directions. *Neurotherapeutics*, 9(3), 542-558. doi: 10.1007/s13311-012-0134

Schwaighofer, M., Fischer, F., & Buhner, M. (2015). Does working memory training transfer? A meta-analysis including training conditions as moderators. *Educational Psychologist*, 50(2), 138-166. doi: 10.1080/00461520.2015.1036274

Shah, P., Buschkuhl, M., Jaeggi, S., & Jonides, J. (2012). Cognitive training for ADHD: The importance of individual differences. *Journal of Applied Research in Memory and Cognition*, 1(3), 204-205. doi:10.1016/j.jarmac.2012.06.003

Shinaver, C.S., Entwistle, P.C., & Söderqvist, S. (2014). Cogmed WM training: Reviewing the reviews. *Applied Neuropsychology: Child*, 3(3), 163-72. doi: 10.1080/21622965.2013.875314

Shipstead, Z., Hicks, K.L., & Engle, R.W. (2012). Working memory training remains a work in progress. *Journal of Applied Research in Memory and Cognition*, 1(3), 217 -219. doi:10.1016/j.jarmac.2012.06.003

Shipstead, Z., Hicks, K.L., & Engle, R.W. (2012). Cogmed Working Memory Training: Does the evidence support the claims? *Journal of Applied Research in Memory and Cognition*, 1(3), 185 – 193. doi:10.1016/j.jarmac.2012.06.003

Spencer-Smith, M., & Klingberg, T. (2015). Benefits of a working memory training program for inattention in daily life: a systematic review and meta-analysis. *PLoS One*, 10(3), e0119522. doi: 10.1371/journal.pone.0119522.

Titz, C., & Karbach. (2014). Working memory and executive functions: effects of training on academic achievement. *Psychological Research*, 78(6), 852 – 868. doi: 10.1007/s00426-013-0537-1