

Interventions for Executive Function in Acquired Brain Injury Selected Reading and Resource Materials

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Books and Manuals

Haskins EC et al. Cognitive Rehabilitation Manual. Published by the American Congress of Rehabilitation Medicine, this manual (in “Beta version” as of 5/12) attempts to translate the findings of the Cicerone et al. systematic reviews (listed below) on cognitive rehabilitation into strategies usable for therapists. Available at www.acrm.org

Hegel, M.T. & Areán, P.A. Problem-Solving Treatment for Primary Care: A Treatment Manual for Depression, Dartmouth College, 2003. Although focused on treatment of depression, this manual contains a number of tips and concepts that are relevant for teaching problem-solving outside of the context of mental health. It may be downloaded at <http://impact-uw.org/>

IOM (Institute of Medicine). 2011. Cognitive Rehabilitation Therapy for Traumatic Brain Injury: Evaluating the Evidence. Washington, DC: The National Academies Press. Alternative formats and reports available at <http://www.iom.edu/Reports/2011/Cognitive-Rehabilitation-Therapy-for-Traumatic-Brain-Injury-Evaluating-the-Evidence.aspx>

Sohlberg, M., & Mateer, C. (2001). Cognitive Rehabilitation: An Integrative Neuropsychological Approach. New York: Guilford Press.

Sohlberg, M., & Turkstra, L.S. (2011). Optimizing Cognitive Rehabilitation: Effective Instructional Methods. New York: Guilford Press. This book is supplemented with numerous treatment forms and planning aids that may be downloaded and printed in letter size from the publisher’s website.

Web Resource

www.psychbite.com

From the website: PsycBITE is a database that catalogues studies of cognitive, behavioural and other treatments for psychological problems and issues occurring as a consequence of acquired brain impairment (ABI). These studies are rated for their methodological quality, evaluating various aspects of scientific rigour. The website gives clinicians, students and researchers free access to the PsycBITE database, thus enabling you to search for articles which might be relevant for your clinical practice or your research in a time-efficient way.

Journal Articles

Systematic reviews:

Boelen, D. H., Spikman, J. M., & Fasotti, L. (2011). Rehabilitation of executive disorders after brain injury: are interventions effective? *J Neuropsychol*, 5(Pt 1), 73-113.

The following 3 reviews cover the literature up to 1998, 1998-2002, and 2003-2008 respectively:

Cicerone, K. D., Dahlberg, C., Kalmar, K., Langenbahn, D. M., Malec, J., Berquist, T. F., et al. (2000). Evidence-based cognitive rehabilitation: recommendations for clinical practice. *Archives of Physical Medicine and Rehabilitation*, 81, 1596-1615.

Cicerone, K. D., Dahlberg, C., Malec, J. F., Langenbahn, D. M., Felicetti, T., Kneipp, S., et al. (2005). Evidence-based cognitive rehabilitation: Updated review of the literature from 1998 through 2002. *Archives of Physical Medicine and Rehabilitation*, 86(8), 1681-1692.

Cicerone, K. D., Langenbahn, D. M., Braden, C., Malec, J. F., Kalmar, K., Fraas, M., et al. (2011). Evidence-based cognitive rehabilitation: updated review of the literature from 2003 through 2008. *Archives of Physical Medicine and Rehabilitation*, 92(4), 519-530.

Kennedy, M. R., Coelho, C., Turkstra, L., Ylvisaker, M., Moore Sohlberg, M., Yorkston, K., et al. (2008). Intervention for executive functions after traumatic brain injury: A systematic review, meta-analysis and clinical recommendations. *Neuropsychological Rehabilitation*, 18(3), 257-299.

Selected empirical and conceptual articles:

Fish, J., Evans, J. J., Nimmo, M., Martin, E., Kersel, D., Bateman, A., et al. (2007). Rehabilitation of executive dysfunction following brain injury: "Content-free" cueing improves everyday prospective memory performance. *Neuropsychologia*, 45(6), 1318-1330.

Hart, T., & Evans, J. (2006). Self-regulation and goal theories in brain injury rehabilitation. *Journal of Head Trauma Rehabilitation*, 21(2), 142-155.

Hill-Briggs, F. (2003). Problem solving in diabetes self-management: A model of chronic illness self-management behavior. *Annals of Behavioral Medicine*, 25(3), 182-193. See particularly the Figure on p. 189 illustrating an integrated model of problem-solving relevant to self-management of chronic conditions.

Levine, B., Robertson, I. H., Clare, L., Carter, G., Hong, J., Wilson, B. A., et al. (2000). Rehabilitation of executive functioning: An experimental-clinical validation of Goal Management Training. *Journal of the International Neuropsychological Society*, 6(3), 299-312.

Levine, B., Schweizer, T. A., O'Connor, C., Turner, G., Gillingham, S., Stuss, D. T., et al. (2011). Rehabilitation of executive functioning in patients with frontal lobe brain damage with goal management training. *Front Hum Neurosci*, 5, 9.

Locke, E., & Latham, G. (2002). Building a practically useful theory of goal setting and task motivation. *American Psychologist*, 57(9), 705-717.

Novakovic-Agopian, T., Chen, A. J., Rome, S., Abrams, G., Castelli, H., Rossi, A., et al. (2011). Rehabilitation of executive functioning with training in attention regulation applied to individually defined goals: a pilot study bridging theory, assessment, and treatment. *J Head Trauma Rehabil*, 26(5), 325-338.

Rath, J. F., Simon, D., Langenbahn, D. M., Sherr, R. L., & Diller, L. (2003). Group treatment of problem-solving deficits in outpatients with traumatic brain injury: A randomised outcome study. *Neuropsychological Rehabilitation*, 13(4), 461-488.

Turner-Stokes, L. (2009). Goal attainment scaling (GAS) in rehabilitation: A practical guide. *Clinical Rehabilitation*, 23, 362-370. **See also the other articles in this issue which was devoted to use of goal-setting methods in rehabilitation.**

Turner-Stokes, L., Williams, H., & Johnson, J. (2009). Goal attainment scaling: Does it provide added value as a person-centered measure for evaluation of outcome in neurorehabilitation following acquired brain injury? *Journal of Rehabilitation Medicine*, 41, 528-535.

Ylvisaker, M., Hanks, R., & Johnson-Greene, D. (2002). Perspectives on rehabilitation of individuals with cognitive impairment after brain injury: Rationale for reconsideration of theoretical paradigms. *Journal of Head Trauma Rehabilitation*, 17(3), 191-209.