Effectiveness Studies

Publications with clinical application to RehaCom.

RehaCom has been used in Germany and throughout Europe for over 20 years. In Germany, RehaCom is used in 90% of Rehab Hospitals and has a long history of clinical utility. The research studies highlighted here provide evidence and insight into the utility of various RehaCom therapy modules with a variety of clinical populations. Some of the research studies support the use of cognitive rehabilitation (computerized and analog) in general as part of the therapeutic process with patients. RehaCom can best be thought of as a research based toolkit for use in providing efficient, standardized therapy and results tracking for patients suffering from cognitive deficits due to a variety of trauma or degenerative diseases. RehaCom can be an effective component of the overall treatment plan for these patients.

STROKE

Effects of neurofeedback and computer-assisted cognitive rehabilitation on relative brain wave ratios and activities of daily living of stroke patients: a randomized control trial
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Recovery after brain damage: Is there any indication for generalization between different cognitive functions?
Richter KM, et al.
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Clinical Efficacy of Acupuncture Treatment in Combination With RehaCom Cognitive Training for Improving Cognitive Function in Stroke: A 2 × 2 Factorial Design Randomized Controlled Trial
Cai Jiang et al., December 1, 2016 Volume 17, Issue 12, Pages 1114–1122
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The Effects of a Computer-assisted Cognition Training Program (RehaCom®) in Stroke Patients
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The Effects of Computerized Cognitive Rehabilitation Program (Rehacom) on Executive Function in Stroke Patients
Jung et al., Journal of Special Education & Rehabilitation Science 53(1), 2014.03
Go to Study »

Effect of computerized cognitive rehabilitation program on cognitive function and activities of living in stroke patients
Go to Study »
Effects of computer assisted cognitive rehabilitation on brain wave, memory and attention of stroke patients: a randomized control trial
Go to Study »

Analysis of central mechanism of cognitive training on cognitive impairment after stroke: Resting-state functional magnetic resonance imaging study
Lin et al., *Journal of International Medical Research*, 2014, Vol 42, No 3
Go to Study »

Effect of computerized cognitive rehabilitation program on cognitive function and activities of living in stroke patients
Go to Study »

Working memory training and semantic structuring improves remembering future events, not past events
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A Randomized Controlled Trial Comparing 2 Interventions for Visual Field Loss With Standard Occupational Therapy During Inpatient Stroke Rehabilitation
Claudia Mödden et al., *Neurorehabil & Neural Repair* (June 2012): 463–469.
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Can impaired working memory functioning be improved by training? A meta-analysis with a special focus on brain injured patients
Go to Study »

Clinical Impact of RehaCom Software for Cognitive Rehabilitation of Patients with Acquired Brain Injury
Go to Study »

Effectiveness of Cognitive Rehabilitation Following Acquired Brain Injury: A Meta-Analytic Re- Examination of Cicerone et al.’s (2000, 2005) systematic reviews
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Rehabilitation of TBI using RehaCom
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Working memory training and semantic structuring improves remembering future events, not past events
Go to Study »

TRAUMATIC BRAIN INJURY (TBI)

Attention remediation following traumatic brain injury in childhood and adolescence
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SCHIZOPHRENIA

The effectiveness of computerized cognitive rehabilitation training program in improving cognitive abilities of schizophrenia clients.
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The efficacy of cognitive neurorehabilitation with RehaCom program in schizophrenia patients.
Go to Study »

The Effect of Attention Training Using Computer-Aided Cognitive Rehabilitation Program(REHACOM) in Chronic Schizophrenics
Go to Study »

Impact of a new cognitive remediation strategy on interpersonal problem solving skills and social autonomy in schizophrenia
A. Cochet et al., L’Encéphale Volume 32, Issue 2, April 2006, Pages 189-195
Go to Study »

A randomized, controlled trial of computer-assisted cognitive remediation for schizophrenia
Go to Study »

How can cognitive remediation therapy modulate brain activations in schizophrenia? An fMRI study.
Go to Study »

Efficacy and specificity of computer-assisted cognitive remediation in schizophrenia: a meta-analytical study.
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MULTIPLE SCLEROSIS
A Randomised Controlled Trial of Efficacy of Cognitive Rehabilitation in Multiple Sclerosis: A Cognitive, Behavioural, and MRI Study
J. Campbell et al., Neural Plasticity Volume 2016, Article ID 4292585, 9 pages
Go to Study »

Cognitive Rehabilitation in Multiple Sclerosis: The Role of Plasticity
Nancy D. Chiaravalloti et al., Front Neurol. 2015; 6: 67. Published online 2015 Apr 2. doi: 10.3389/fneur.2015.00067
Go to Study »

Computer-Assisted Cognitive Rehabilitation of Attention Deficits for Multiple Sclerosis: A Randomized Trial With fMRI Correlates.
Go to Study »

Efficacy and specificity of computer-assisted cognitive rehabilitation of attention and executive functions in multiple sclerosis.
Go to Study »

ADHD
Evaluation of a computer-based neuropsychological training in children with attention-deficit hyperactivity disorder (ADHD)
Frauke Amonn et al., Neuro Rehabilitation 32 (2013): 555–562, DOI:10.3233/NRE-130877
Go to Study »

The efficacy of cognitive training programs in children and adolescents: a meta-analysis.
Go to Study »
DEMENTIA/ALZHEIMER’S

The Effects of Cognitive Rehabilitation Training on Cognitive Function of Elderly Dementia Patients
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A randomised pilot study to assess the efficacy of an interactive, multimedia tool of cognitive stimulation in Alzheimer’s disease
L. Tárraga et al., Journal Neurol Neurosurg Psychiatry (October 2006): 1116–21.
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DEPRESSION

Efficacy of Neurocognitive Remediation Therapy During an Acute Depressive Episode and Following Remission: Results From Two Randomised Pilot Studies
M. Semkovska et al., European Psychiatry March 28–31, 2015, Volume 30, Supplement 1, Page 403
Go to Study »

Online neurocognitive remediation therapy to improve cognition in community-living individuals with a history of depression: A pilot study
Maria Semkovska et al., Internet Interventions Volume 9, September 2017, Pages 7-14
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OTHER

Preliminary study of a rehabilitation program based on attentional processes to treat auditory hallucinations
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Acute social stress before the planning phase improves memory performance in a complex real life-related prospective memory task
Go to Study »

Is the Neuropsychological Treatment of Memory Specific or Unspecific? Comparing Treatment Effects on Memory and Attention.
Go to Study »

Neuropsychology in occupational rehabilitation: a new field of intervention?
Go to Study »

Memory enhancement in healthy older adults using a brain plasticity-based training program: A randomized, controlled study.
Go to Study »

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