

**Efficacy of traumatic brain injury rehabilitation: interventions of QEEG-guided biofeedback, computers, strategies, and medications.** - Thornton KE - *Appl Psychophysiol Biofeedback* - 01-JUN-2008; 33(2): 101-24 (MEDLINE® is the source for the citation and abstract of this record )

**Abstract:**

The onset of cognitive rehabilitation brought with it a hope for an effective treatment for the traumatic brain injured subject. This paper reviews the empirical reports of changes in cognitive functioning after treatment and compares the relative effectiveness of several treatments including computer interventions, cognitive strategies, EEG biofeedback, and medications. The cognitive functions that are reviewed include auditory memory, attention and problem solving. The significance of the change in cognitive function is assessed in two ways that include effect size and longevity of effect. These analyses complement the previously published meta-reviews by adding these two criteria and include reports of EEG biofeedback, which is shown to be an effective intervention for auditory memory.

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