Abstract

A number of before and after and single case design studies of visual feedback have shown improvements in stance symmetry after stroke, an associated improvement in function has been demonstrated. This study examines this promising technique further using a single-blind controlled trial. Twenty-six patients were recruited from a register of consecutive admissions and randomized into treatment and control groups. Both groups received additional therapy, only the treatment group received visual feedback. Assessments were carried out independently. Significant improvements were seen in the treatment group in measures of stance symmetry and sway and motor and ADL function. Between group differences had disappeared at three months. The results indicate that feedback training incorporated into functional physiotherapy treatment can improve stance symmetry and sway. Transfer of training was indicated by improvements in ADL and gross motor function. Three months later the improvement was maintained, but did not automatically continue without treatment.

PMID: 9442992 [PubMed - indexed for MEDLINE]
Single blind randomized controlled trial of visual feedback after stroke: effects on st...