

## EBP and PAMs at the student level

Shoulder subluxation is seen at an incidence of up to 81% of patients with a stroke. In a 2010 study, the use of functional electrical stimulation (FES) treatment application to the supraspinatus and posterior deltoid muscles in addition to conventional treatment methods for the treatment of shoulder subluxation in patients with hemiplegia following stroke was more beneficial than conventional treatment application by itself (Koyuncu, Nakipolgu-Yuzer, Dogan & Ozgirgin, 2010).

Following amputation, up to 80% of clients experience debilitating phantom limb pain. Evidence has indicated more than half of these clients (58%) have showed a mild to significant reduction of phantom limb sensations by utilizing trans-electric nerve stimulation (TENS) applied to the contralateral limb. Results were maintained at a one year follow-up. (Giuffrida, Simpson, & Halligan, 2010).

A 2014 study proved the incorporation of ultrasound and paraffin were both equally effective in the treatment of carpal tunnel pain and related symptoms than use of splinting and conservative treatment alone (Chang et al., 2014).

Patients treated five times a week for 15 total sessions with LLLT showed a greater improvement in neck movement, a more significant reduction of pain and related disability and a greater improvement in quality of life, in comparison with patients treated with a placebo LLLT (Konstantinovic, et al., 2010).

### Reference List

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