The effects of local mechano-acoustic vibration on upper limb spasticity

The effects of the focused mechano-acoustic vibration’s treatment in upper limb spasticity, in hemiplegic patients, have been compared to the standard treatment, which is associated to a drug therapy.

Both treatments are effective in reducing upper limb spasticity, but it seems that the effects appear earlier in VISS-treated patients.

This protocol can therefore be a valid alternative to the drug therapy.

Abstract

This study evaluated the focused mechano-acoustic vibration’s effects in upper limb spasticity, in hemiplegic patients. The hypothesis is that the application of the vibratory stimulus on the antagonist flexor muscle (triceps brachii) could reduce the agonist flexor’s spasticity. Results are compared to the standard treatment, which is associated to a drug therapy.

Both treatments are effective in reducing the upper limb spasticity, but it seems that the effects appear earlier in VISS-treated patients.

This protocol can therefore be a valid alternative to the standard drug therapy.

Source: R. Casale et al., The effects of local mechano-Acoustic Vibration on upper limb Spasticity, 5° congresso mondiale della SIMFER, Istanbul, 13-17 giugno 2009, Turchia