Effects Of Sensory Training and Electrical Stimulation on Sole of The Foot Sensations in Patients With Acute Hemiplegia

PT. CANSU HAYIROĞLU

YEDITEPE UNIVERSITY

17.02.2020

Study Protocol

Objective: To investigate the effects of the sole of foot sensory education and electrical stimulation on proprioceptive and cortical senses in patients with acute hemiplegia, applied 5 days per week for 3 weeks.

Design: A controlled clinical trial.

Participants: 15 subjects with an average age of 69.4±8.3 years will be included in the sensory education group and 15 subjects with an average age of 65.8±7.2 years will be included in the electrical stimulation group.

Methods: All participants would be treated with a neurodevelopmental treatment approach. In addition to neurodevelopmental treatment, 20 minutes sensory training for the sensory education group and 20 minutes 'conventional TENS' for the electrical stimulation group would be given for 15 sessions 5 days a week. Patients will be evaluated twice before and after treatment. The cognitive level of the patients will be evaluated with Mini-Mental Test. The sole of foot sensations which are cortical and proprioceptive will be evaluated with sensory tests.