

Physical Therapy Department of Surgery

Doctoral Degree 1998

Author	:	Zakaria Mowafy Emam Mowafy.
Title	:	Different TENS modes in relation to motor conduction velocity in peripheral burn neuropathy.
Dept.	:	Physical Therapy Department for Surgery.
Supervisors		1. Abd El-Rahman Ali Rezk Chabara. 2. Akef Abd El-Halim Khowailed. 3. Adel Abd El Hamid Nossier.
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Abstract	:	<p>Abstract: The purpose of this study was to determine the effect of different TENS modes on motor conduction velocity of the common personal nerve in peripheral burn neuropathy . 45 chronic burn patients (32 males and 13 females) ranging in age from 20 to 35 years , were divided equally in number into 3 groups (2 experimental groups and a control one) and consented to receive conventional , SLR , Acupuncture-like and placebo TENS for the first experimental , second experimental and the third control groups respectively , one treatment (30 minutes) was administered on each of 3 separate days within 5 weeks . A significant difference in MCV (m/s)was observed after 2 and 5 weeks of SLR , Acupuncture-like TENS application in the second experimental group (p 0.0001) , and after 2 weeks of conventional TENS application in the first experimental group with no any significant difference for its application for another 3 weeks (p 0.05) . SLR , Acupuncture-like TENS was more beneficial in improving the nerve functions as manifested by the increased MCV in cases of peripheral burn neuropathy.</p>
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