



COMBINATION THERAPY WITH PRAVASTITIN AND FENOFIBRATE ON EXPERIMENTAL TRAUMATIC BRAIN INJURY

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Abstract:

Diabetic lower extremity ischemia (DLEI) causes approximately 90,000 leg amputations each year in the United States (Baser, Verpillat, Gabriel & Wang 2013). A review of the literature revealed that sufficient evidence exists to consider using pulsed electromagnetic field (PEMF) therapy as a non-invasive curative modality that could prevent many of these amputations. However, the staggering number of leg amputations following lengthy episodes of ischemic deterioration suggests a lack of consensus as to the efficacy of PEMF (Mulder, Tenenhaus & D’Souza, 2014). Therefore, the purpose of this study is to provide an evidentiary basis for using PEMF therapy in a primary care setting to promote microvascular angiogenesis and thereby prevent skin ulceration. In this study, 7 people between the ages 54 and 65 who have diabetes mellitus type 2 and some level DLEI underwent 10 to 22 treatments with a Diapulse® PEMF device. Each participant was tested for microvascular red blood cell (RBC) perfusion (Q), volume concentration of moving RBCs (V), RBC speed (U) and temperature (T) in the plantar skin. These parameters were measured using a laser Doppler flowmeter before and after the course of treatment. The Wilcoxon



Biography:

Dr. Sharon has completed his DNP from Brandman University, Irvine, California in October 2015. He is board certified by the American Nurses Credentialing Center in Adult-Gerontological Primary Care. In 2014, while a nurse practitioner student, he was awarded a diabetes research grant by the American Association of Nurse Practitioners for his pioneering work in utilizing pulsed

electromagnetic therapy to stimulate angiogenesis in the plantar skin of people with diabetic neuropathy. He is the first researcher to use a laser doppler for objective measurement of the proficiency of microcirculation. He has published 3 books and more than 12 journal articles. Dr. Sharon is currently a primary care provider at Mind Body Solutions in Las Vegas, Nevada, USA and he is developing new research projects.

Recent Publications:

1. When half a face is as good as a whole: Effects of simple substantial occlusion on visual and audiovisual speech perception
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