The Benefits of Microcurrents on Diabetic Neuropathy

What is Diabetic Neuropathy?

Diabetic neuropathy is nerve damage that results from having diabetes. High blood sugar can injure nerve fibers throughout the body, but diabetic neuropathy usually impacts the legs and feet.

With 86,000 amputations resulting from diabetic neuropathy per year in the United States,[1] it is one of the most frightening aspects of being diabetic. Diabetic neuropathy develops in 60 to 70% of people with diabetes and the risk of amputation only becomes greater with age.[1]

How Microcurrent Therapy Can Help

With microcurrents' known ability to increase blood flow to areas of application, treating diabetic neuropathy is one of the most exciting applications of microcurrent therapy and is thus becoming widely studied. One study stated, "The analysis of the changes in the foot blood flow rate and pain showed significant increases in the blood flow rate and significant decreases in foot pain in the experimental group to which received the microcurrent treatment."[2]

Another study of 70 people with diabetic neuropathy concluded that, "Dual channel, specific-frequency microamperage current produced dramatic improvements in a collected case report of patients with chronic neuropathic pain. Treatment is noninvasive, low risk, widely available, relatively inexpensive, and appears to have no significant side effects."[3]

Cell MedX

Cell MedX has developed a state of the art microcurrent therapy device called the ebalance Pro. Using unique software, the ebalance Pro is able to read the body and use this information to emit electrical frequencies best suited to specific issues in different areas of the body. The treatment is completely non-invasive, has no known negative side effects, and is potentially useful in helping treat an array of ailments including diabetes, Parkinson's disease, high blood pressure, insomnia, edema, and different neuropathies.

References

1) Elizabeth Woolley. (2016). When diabetic neuropathy leads to amputation. Retreived from: https://www.verywell.com/when-diabetic-neuropathy-leads-to-amputation-1087601

2) Park, R.J. *et al.* (2011). The effect of microcurrent electrical stimulation on the foot blood circulation and pain of diabetic neuropathy. J. Phys. Ther. Sci. 23:515-518.

3) Carolyn Mcmakin (2015). Nonpharmacologic treatment of neuropathic pain using frequency specific microcurrent. The pain practitioner; 20(3): 68-73.