



Advanced Neuropathy Treatment: MLS Robotic Laser Therapy

CAN LASER THERAPY BE THE ANSWER?

What is Neuropathy?

Simply put, Neuropathy is a “diseased nerve”. The cause of the disease can be any number of underlying issues or diseases. Diabetes, cancer, chemotherapy, low thyroid, peripheral vascular disease, nutritional deficits, hereditary factors, autoimmune diseases, nerve entrapment and other issues can cause neuropathy.

Normal Nerve Function:

Nerves require 4 times as much energy as most other cells in the body just to maintain a healthy state. Even at rest, nerves are using a tremendous amount of energy to maintain normal function. That’s why nerves are so sensitive to outside influences. Any small drop in energy causes damage to nerve function. Also, the shape of the nerve plays a role. A nerve in your foot has about the same dimensions as a piece of thread the length of the football field. So energy supply all along that nerve has to be uniform for the nerve to function normally.

How does low-level laser therapy help sick nerves?

Research has shown that low-level laser therapy promotes central and peripheral nerve repair. It will increase the oxygen supply to the nerve by growing blood vessels. It increases the ability of the nerve to grow collagen, and it also increases the amount of growth factors that help nerves heal. Lasers also have an anti-inflammatory and pain-killing effect. But the most profound effect, it seems, is a dramatic increase in energy production in the cell. Inside our cells we have a fascinating little organelle that is called mitochondria. They are almost like a little cells inside cells. They have their own DNA and their own functions. The primary function of mitochondria is to make ATP. ATP is like the gasoline our engine runs on. For some reason, when a laser is applied to cells (nerves) in the right frequency and dosage, photo receptors in the mitochondria become excited and start churning out ATP. This gives the poor energy-starved nerve a huge boost in power. The nerve uses this power to heal itself, and grow new nerves. A recent study demonstrated after just 4 weeks (3 treatments per week) a 33% increase in nerve fiber density and a 40% decrease in pain. Some patients showed much higher increases in nerve density. Another recent study showed significant nerve function improvement (speed of conduction) after laser therapy.

There are many tools to treat Neuropathy: prescription meds, supplements, electrical therapy, laser therapy and even surgery. We are very excited to be one of the few places in Texas to offer all of these modalities in one place. So if you or someone you love has neuropathy and needs help, give us a call.



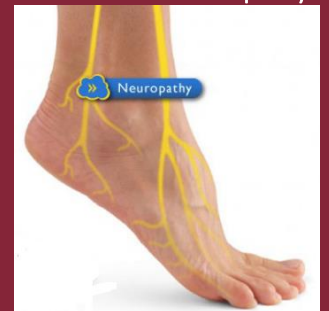
Darren J Silvester, DPM

Next Step Foot & Ankle Clinic Podiatrist

Healthy Nerves



Nerves with Neuropathy



MLS Laser Therapy



We use MLS Laser Therapy to help improve nerve function and reduce the risk of ulcers, infection, and amputation in Neuropathy patients.

A Better Way to Treat Neuropathy



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You CAN find relief from neuropathy symptoms!



Save the Date – Come & Go Vionic Shoe Trunk Show!

2017 Summer Shoe Preview
For Men & Women's Shoes

Pleasanton – May 2, 2017

Universal City – May 8, 2017

9 am to 4pm

Drawings will be held at each location
trunk show for a couple pairs of

FREE Vionic Sandals!

Just in time for Mother's Day

MLS Robotic Laser Therapy

Available at Next Step Foot & Ankle Clinic
Call to Schedule Your Appointment Today!



Lighting the Way to Relief: About 80% of patients who have this treatment show significant improvement in symptoms and nerve re-growth.

- 8 Minute Treatment
- Painless
- Not Covered by Insurance
- 12 Treatments Recommended



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