Understanding Causes and Symptoms of Peripheral Neuropathy

Peripheral neuropathy is not just experienced by people with **diabetes and high blood sugar levels.** Other possible etiologies of nerve damage include **alcoholism, specific infections** like hepatitis B and C, **autoimmune disorders** like lupus and more.

Another cause of peripheral neuropathy is a **lack of nutrients and vitamins.** Deficiencies in vitamins B1, B6, B9 and B12 have been found to be significant.

Part of the reason why affected areas are not receiving adequate nutrients, is the **reduced blood flow** that accompanies neuropathy.

When nerves are damaged, they stop sending signals (i.e. feelings hot or cold and/or pain) to the brain. While external sensations on the skin are impaired, it is common for many to exprience **numbness** or **uncomfortable tingling** in the feet and/or hands as well as sharp, shooting pains and burning sensations.



Join Those Who Have Found a Solution to Neuropathic Pain & Discomfort.

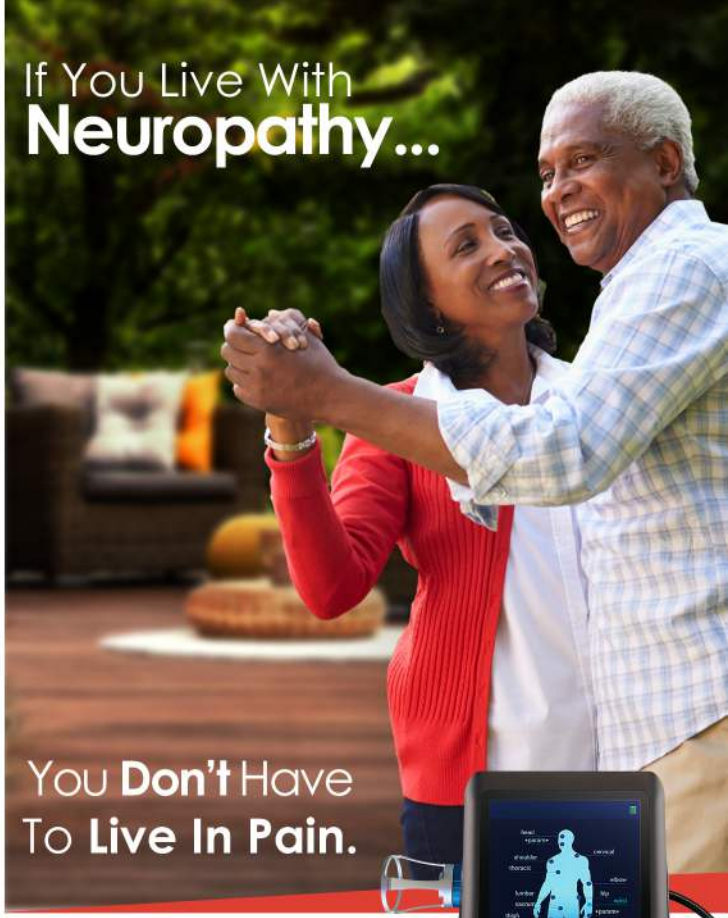
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Finally, you can achieve relief from the pain and discomfort caused by **peripheral neuropathy.**



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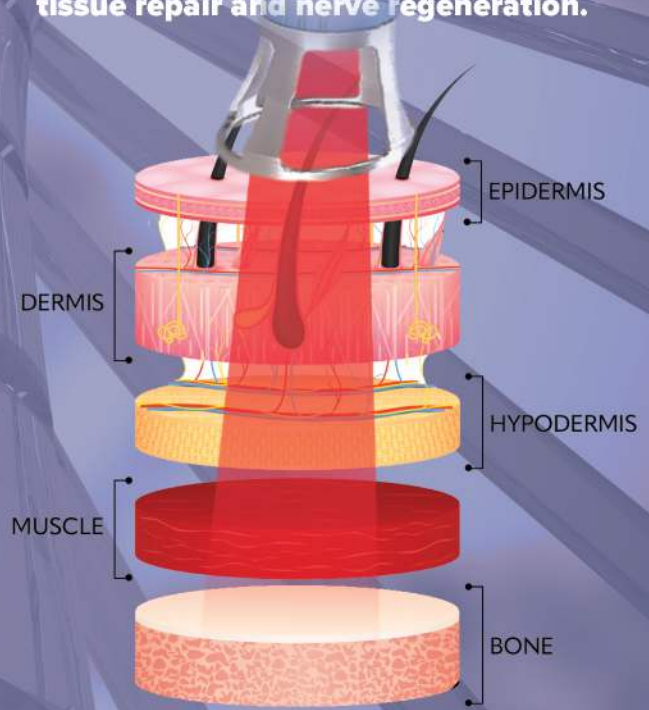
The Non-Invasive, Painless & Safe, Drug-Free **Remy Class IV Laser Technology** is Here!

The **Science** Behind Class IV Laser Therapy

Class IV Lasers emit electromagnetic light (near-infrared light waves). When we utilize these light waves for healing, the process is called **PHOTOBIOMODULATION**

Once laser light touches the skin, **photons penetrate underlying tissue and our cells absorb the light's energy.** This results in an increased production of a molecule called ATP (adenosine triphosphate). ATP is responsible for "carrying" energy in order for other cells to perform their necessary functions. It is, basically, the fuel source for all other cells.

When **ATP production is increased**, studies have shown **accelerated cell growth, tissue repair and nerve regeneration.**



Improving **Blood Flow** With Class IV Laser Therapy

INCREASING BLOOD FLOW IS CRITICAL TO MANAGING NEUROPATHIC PAIN

When blood flow is restricted, as it is in those with neuropathy, essential nutrients do not make their way through the body effectively, resulting in chronic pain and dicomfort.

Additionally, blood flow is a key component to injury and/or wound healing. On the other hand, the absence of red blood cells diminishes the body's natural ability to heal itself. This prolongs healing for injury and/or wounds.

ENTER
CLASS IV LASER THERAPY

Cell generation (resulting from the photobiomodulation process of Class IV Lasers) forms capillaries within the vascular system, allowing oxygen and key nutrients to travel to damaged tissue faster, accelarting wound healing.

When Class IV Laser Therapy is implemented, blood flow improves, decreasing the risk of ulcers and/or enhancing the wound healing process.

Nerve Regeneration With Class IV Laser Therapy

Class IV laser therapy reduces the pain and discomfort of neuropathy by preventing cells from completing one of its natural processes: apoptosis - the process of a cell self destructing once it has "realized" it is no longer of use or may be harmful to the body.

Class IV Lasers, however, can keep more cells from becoming obsolete and/or leading to harmful growth. Therefore, a better way of looking at this is: Class IV Lasers **help *prevent apoptosis from being necessary.***

CLASS IV LASER THERAPY ACTIVATES CELLS SO THE BODY CAN HEAL ITSELF

ENTER: ATP

The correlation of nerve regeneration from Class IV Laser Therapy, ultimately derives from the increases in ATP production - the key outcome of photobiomodulation.

Axon growth (the long nerve extensions) and the chain reaction of sprouting (nerve connections) require a significant amount of energy; which is the role of ATP.