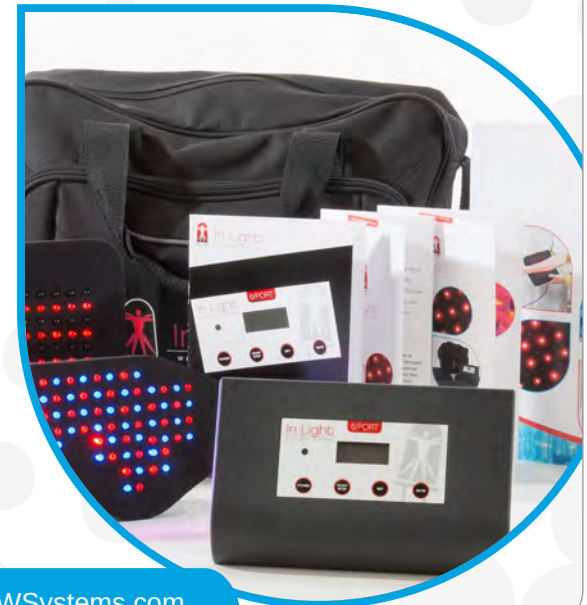


brilliant light therapy

Research Studies & Demonstrated Results



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A Proven Theory

Near Infrared (NIR) light has been the subject of at least 15 studies involving nearly 5,000 patients. The results have been published in multiple journals such as *Diabetes Care*, *Age and Aging*, *Practical Pain Management*, *Physical and Occupational Therapy in Geriatrics* and the *Journal of Diabetes and its Complications*. Most of these studies involved patients with diabetic peripheral neuropathy. Significant pain reduction and improved sensation were routinely observed.



Peripheral Neuropathy

Researchers from the Joslin Center for Diabetes in Clearwater, Florida examined the effects of NIR on patients with diabetic peripheral neuropathy (DPN). This common and devastating condition, which plagues many people with diabetes, impairs sensation and often leads to falls and amputations. The researchers gave study participants 12 treatments of either infrared therapy or a sham treatment and concluded that NIR treatments “improve sensation in the feet of subjects with DPN, improve balance, and reduce pain.” - *Leonard DR, et al. Diabetes Care. 2004 Jan, 27(1): 168-72*

What Is Infrared Light Therapy?

Infrared Light Therapy, or photo-biomodulation, is a unique therapy that harnesses the healing powers of infrared light. It emits special wavelengths of light energy that dramatically increase circulation to injury sites and areas of chronic pain. The result is a rapid relief of discomfort, improvement in sensation, and regeneration of damaged tissues.

“Infrared Light Therapy Isn’t Just For Diabetic Complications. It Is An Effective, Tested Treatment For Any Condition Characterized By Pain And Inflammation.”

“This therapy is especially useful for patients with diabetic complications. Patients with diabetes produce less nitric oxide than healthy individuals, and they often suffer from problems related to poor circulation.”



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How Does Light Therapy Work?

Treatment with the NIR light system is simple and painless. Flexible pads, containing multiple infrared and visible red diodes, are placed directly on the skin over the area of pain or injury. Light energy from the diodes penetrates beneath the skin and is absorbed by proteins within cells that lay beneath the skin. Those cells release nitric oxide, the body's natural vasodilator. After just 20 minutes of treatment, blood flow is increased to nerves and other tissues, and this boost in local circulation persists for several hours after the pads are removed.

The Power Of Nitric Oxide

The key to this dramatic improvement in blood flow is nitric oxide, a short-lived gas that is crucial to the health of the arteries. This powerful signaling molecule relaxes the arteries, helps regulate blood pressure, fights free radicals and discourages platelets from clumping together in the blood vessels. By increasing the production of nitric oxide and improving circulation, NIR light therapy promotes healing and relieves pain.

Chronic Pain Relief

NIR light therapy has been used by the U.S. military to speed recovery from soft-tissue injuries in elite soldiers in the Navy SEALs, Army Rangers, and Special Forces. Hospitals, nursing homes and long-term care facilities use it to accelerate the

healing of pressure ulcers (bed sores) and decrease the number of falls in elderly patients. This therapy is also used to ease the pain of neuropathy, restore sensation to patients with nerve impairment, speed up the healing of diabetic ulcers and other wounds and relieve many kinds of chronic pain.

Help For Diabetic Complications

NIR is especially useful for patients with diabetic complications. Diabetics produce less nitric oxide than healthy individuals and they often suffer from problems related to poor circulation, such as peripheral neuropathy and impaired wound healing. When NIR is used to treat a slow-healing ulcer, for example, the release of nitric oxide increases blood flow in the immediate vicinity, bringing oxygen and nutrients to injured tissues this helps to stimulate healing.

Pain and poor circulation are symptoms that occur in the following conditions and thus, may be helped by NIR therapy:

- Arthritis
- Bursitis
- Plantar Fasciitis
- Carpal Tunnel Syndrome
- Diabetic, Statin and Chemotherapy Induced
- Neuropathies
- Fibromyalgia
- Slow-Healing Wounds
- Strains and Sprain
- Tendonitis
- Trigeminal Neuralgia

Success Stories



"The relief from post op pain has been remarkable - a 20 minute therapy at the wound site (joint replacement area) produces significant pain reduction. In addition it allows more mobility at the joint for the designated re-habilitation exercises - I will keep you posted." - Dr Richard Corline, D.P.M.

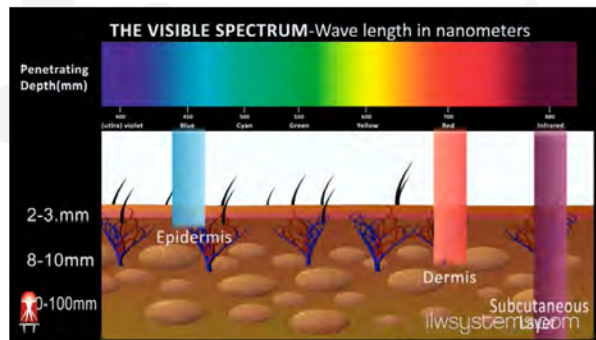
(images to left) "This patient underwent a single 20 minute session with the ILWS foot pads. The change was dramatic. The impressions from the light diodes are still evident." - Dr Michael Temple. D.C.



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Our Mission

Design, manufacture and deliver the finest LED Light Energy systems in any marketplace while supporting our distribution network and serving our customers with consistency, integrity and respect.



In Light Wellness Systems: Animation
Viewable at: ilwsystems.com/ledanimation



In Light Wellness Systems: Overview
Viewable at: tinyurl.com/ilwsoverview

