**Neuropathy Treatment with Low Level Laser Therapy - Clinical Studies**

**Peer-Reviewed Clinical Studies**

These following studies have been published in medical journals that have a rigorous peer-review process. They are listed chronologically.

1. Horwitz L, Burke TJ, Carnegie DE. **Augmentation of Wound Healing Using Monochromatic Infrared Energy**. *Advances in Wound Care.* 1999;12:35-40.
2. Noble JG, Lowe AS, Baxter GD. **Monochromatic Infrared Irradiation (890): Effect of a Multisource Array upon Conduction in the Human Median Nerve**. *Journal of Clinical Laser Medicine and Surgery.* 2001;19:291-295.
3. Kochman AB, Carnegie DE, Burke TJ. **Symptomatic Reversal of Peripheral Neuropathy in Patients with Diabetes**. *Journal of the American Podiatric Medical Association.* 2002;92:125- 130.
4. Prendergast JJ, Miranda G, Sanchez M. **Improvement of Sensory Impairment in Patients with Peripheral Neuropathy**. *Endocrine Practice.* 2004;10:24-30.
5. Leonard DR, Farooqi MH, Myers S. **Restoration of Sensation, Reduced Pain, and Improved Balance in Subjects with Diabetic Peripheral Neuropathy; A Randomized, Double Blind, Placebo Controlled Study**. *Diabetes Care*. 2004;27:168-172.
6. Kochman AB. **Monochromatic Infrared Photo Energy and Physical Therapy for Peripheral Neuropathy: Influence on Sensation, Balance and Falls**. *Journal of Geriatric*

*Physical Therapy.* 2004;27:16-19.

1. Powell MW, Carnegie DE, Burke TJ. **Reversal of Diabetic Peripheral Neuropathy and New**

**Wound Incidence: The Role of MIRE**. *Advances in Skin & Wound Care*. 2004;17(6):295-300.

1. DeLellis S, Carnegie DE, Burke TJ. **Improved Sensitivity in Patients with Peripheral Neuropathy: Effects of Monochromatic Infrared Photo Energy**. *Journal of the American Podiatric Medical Association.* 2005; 95(2):143-147.
2. Harkless L, DeLellis S, Burke TJ. **Improved Foot Sensitivity and Pain Reduction in Patients with Peripheral Neuropathy after Treatment with Monochromatic Infrared Photo Energy-MIRETM**. *Journal of Diabetes and Its Complications*. 2006;20(2):81-87.
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**Activities of Daily Living in Seniors.** *Age and Ageing*. 2006;35(1):11-16.

1. **Burke TJ.** Infrared Photo Energy May Reduce Neuropathic Pain. ***Practical Pain***

***Management.* 2007;7(6):57-63.**

1. Nather A, Sim YE, Chew LL, Neo SH. **Anodyne Therapy for Recalcitrant Diabetic Foot Ulcers: A Report of Four Cases.** *Journal of Orthopaedic Surgery*. 2007;15(3):361-4.
2. Mitchell, U. **Use of Near Infrared Light to Reduce Symptoms Associated with Restless Leg Syndrome in a Woman: a Case Report.** *J Med Case Reports.* 2010; 4:286.
3. Mitchell, U, Myrer JW, Johnson AW, Hilton SC. **Restless Legs Syndrome and Near Infrared Light: An Alternative Treatment Option.** *Physiotherapy Theory and Practice.* 2010, Oct 26.
4. Mak, M, Cheing, G. **Immediate Effects of Monochromatic Infrared Energy on Microcirculation in Healthy Subjects.** *Photomedicine and Laser Surgery. 2012;30(2):1-8.*
5. Hsieh, R, Liao, W, Lee, W. **Local and Systemic Cardiovascular Effects from Monochromatic Infrared Therapy in Patients with Knee Osteoarthritis: A Double- Blind, Randomized, Placebo-Controlled Study.** *Evidence-Based Complementary and Alternative Medicine.* 2012; Article ID 583016.
6. Ammar, T. **Monochromatic Infrared Photo Energy in Diabetic Peripheral Neuropathy.**

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 19. Ahmed, E, Maayah,M,Mohammad Abu Asi, Y. **Anodyne Therapy Versus Exercise Therapy in Improving the Healing Rates of Venous Leg Ulcer**. International Journal of Research in Medical Sciences. 2013;Aug;1(3):198-203.

 20. Ru-Lan Hsieh;Wen-Chung Lee. **Short-term Therapeutic Effects of 890-Nanometer Light Therapy for Chronic LowBack Pain**: A Double-Blind Randomized Placebo-Controlled Study. Lasers in Medical Science.2013, July 3.

 21. Tarek AbdelRahman Ali Ammar**. Monochromatic Infrared Photo Energy versus Low Level Laser Therapy in patients with Knee Osteoarthtitis**. J Lasers Med Sci 2014;5(4):176-82