



## EVIDENCE BASED MEDICINE PUBLISHED STUDIES FOR REQUEST

These studies are available for review by request only. Please indicate which study you'd like access to in order to learn more about the Home H-Wave Device.

### BLINDED/CONTROLLED OUTCOME STUDIES

- ☐ <sup>13</sup> **Repetitive H-Wave® Device stimulation and program induces significant increases in the range of motion of post-operative rotator cuff reconstruction in a double-blinded randomized placebo controlled human study.**  
*BMC Musculoskeletal Disorders.* 2009 Oct 29;10(1):132 [PMID:19874593, Indexed for MEDLINE]
- ☐ <sup>2</sup> Diabetic peripheral neuropathy: Amelioration of pain with transcutaneous electrostimulation.  
*Diabetes Care.* 1997;20(11):1702-1705 [PMID:9353612, Indexed for MEDLINE]
- ☐ <sup>5</sup> Diabetic peripheral neuropathy. Effectiveness of electrotherapy and amitriptyline for symptomatic relief.  
*Diabetes Care.* 1998;21(8):1322-1325 [PMID:9702441, Indexed for MEDLINE]

### BLINDED/CONTROLLED MECHANISM OF ACTION STUDIES

- ☐ <sup>15</sup> **H-Wave® Effects on Blood Flow and Angiogenesis in Longitudinal Studies in Rats.**  
*Journal of Surgical Orthopaedic Advances.* V20, N4, Winter 2011, P255-259 [PMID:22381420, Indexed for MEDLINE]
- ☐ <sup>12</sup> H-Wave® Induces Arteriolar Vasodilation in Rat Striated Muscle via Nitric Oxide-Mediated Mechanisms.  
*Journal of Orthopaedic Research.* Sept 2009. DOI 10.1002/jor.20851. P. 1248-1251 [PMID:19204915, Indexed for MEDLINE]

### PRELIMINARY MECHANISM OF ACTION STUDIES

- ☐ <sup>7</sup> Innate properties of H-Wave® device, a small fiber stimulator provides the basis for a paradigm shift of electro-therapeutic treatment of pain with increased functional restoration associated with human neuropathies by affecting tissue circulation: A Hypothesis.  
*J. Med Hypothesis.* Volume 64, Issue 5, 2005, Pages 1066-1067 [PMID:15780518, Indexed for MEDLINE]
- ☐ <sup>6</sup> Innate properties of H-Wave® device, a small fiber stimulator provides the basis for a paradigm shift of electro-therapeutic treatment of pain with increased functional restoration associated with human neuropathies: A Hypothesis.  
*Townsend Letter.* 258, 101-104, Jan 2005

### META-ANALYSIS AND REVIEWS

- ☐ <sup>16</sup> **H-Wave® Device Stimulation: A Critical Review.**  
*Journal of Personalized Medicine.* 2021 Nov 2;11(11):1134 [PMID:34834486, Indexed for MEDLINE]
- ☐ <sup>10</sup> **The H-Wave® Device Is an Effective and Safe Non-Pharmacological Analgesic for Chronic Pain: a Meta-Analysis.** *Advances in Therapy.* July 2008. Vol:25 No:7 [PMID:18636234, Indexed for MEDLINE]
- ☐ <sup>11</sup> The H-Wave® Device Induces NO-Dependent Augmented Microcirculation and Angiogenesis, Providing Both Analgesia and Tissue Healing in Sports Injuries. *the physician and sportsmedicine.* Dec 2008. Vol:36 No:1. P. 103-114 [PMID:20048478]

### COHORT STUDIES

- ☐ <sup>9</sup> **The H-Wave® Small Muscle Fiber Stimulator, a Nonpharmacologic Alternative for the Treatment of Chronic Soft-Tissue Injury and Neuropathic Pain: An Extended Population Observational Study.** *Advances in Therapy.* Sep/Oct 2006. Vol:23 No:5. P. 739-749 [PMID:17142209, Indexed for MEDLINE]
- ☐ <sup>8</sup> H-Wave®, a Nonpharmacologic alternative for the treatment of patients with chronic soft tissue inflammation and neuropathic pain: A preliminary statistical outcome study.  
*Advances in Therapy.* May/June 2006. V23 N3. P. 446-455 [PMID:16912027, Indexed for MEDLINE]
- ☐ <sup>4</sup> Beneficial effects of electrical stimulation on neuropathic symptoms in diabetes patients.  
*J Foot Ankle Surg.* 1998;37(3):191-194 [PMID:9638542, Indexed for MEDLINE]

### CASE STUDIES/SERIES/ABSTRACTS

- ☐ <sup>1</sup> Resolution of a double crush syndrome. (case study) *J Manipulative Physiol Ther.* 1994;17(6):395-397 [PMID:7964200, Indexed for MEDLINE]
- ☐ <sup>14</sup> Healing enhancement of chronic venous stasis ulcers utilizing H-Wave® device therapy: a case series. *Cases Journal. BioMed Central.* 2010, 3:54 [PMID:20181141]
- ☐ <sup>3</sup> Electrical Stimulation Reduces Symptoms Of Thermal Hypersensitivity From Injury Of Sciatic Partial Ligation In Rats. (abstract) *Anesthesia & Analgesia.* 1998;86:S1-S5

E-MAIL: \_\_\_\_\_

PHONE: ( \_\_\_\_\_ ) \_\_\_\_\_

CLINICIAN NAME \_\_\_\_\_

CLINICIAN SIGNATURE \_\_\_\_\_

REP # \_\_\_\_\_

**PLEASE FAX THIS SIGNED STUDY REQUEST TO (866) 551-1104**

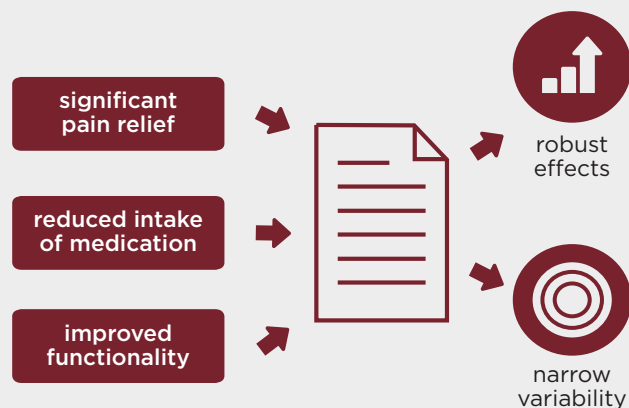
# DRUG FREE TREATMENT

## SUPPORTED BY EVIDENCE BASED MEDICINE

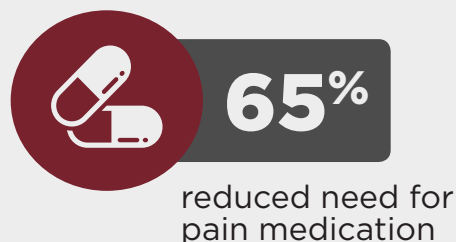
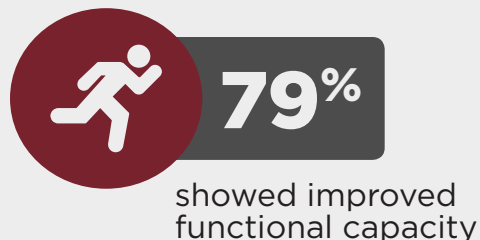
### AT A GLANCE

- ✓ 15 Peer-Reviewed Studies on H-Wave
- ✓ 13 Studies Indexed by PubMed
- ✓ 11 Studies Indexed by MEDLINE

### PUBLISHED META-ANALYSIS



### 6,774 PATIENTS WITH CHRONIC PAIN



“ The most robust effect was observed for improved functionality, suggesting that the H-Wave device may facilitate a quicker return to work and other related daily activities. ”

*Blum, K. Chen, A. Chen, T. Prihoda, T. Schoolfield, J. The H-Wave® Device Is an Effective and Safe Non-Pharmacological Analgesic for Chronic Pain: a Meta-Analysis. Advances in Therapy. July 2008. Vol:25 No:7.*

“ This increase in blood flow in the conditioned limb suggested an increased vascular reserve available for augmenting perfusion in the limbs exposed to repetitive H-Wave Device Stimulation. ”

*H-Wave® Effects on Blood Flow and Angiogenesis in Longitudinal Studies in Rats. Journal of Surgical Orthopaedic Advances. V20, N4, Winter 2011, P255-259 [PMID:22381420, Indexed for MEDLINE]*

“ H-Wave Device Stimulation compared to PLACEBO induces a significant increase in range of motion in positive management of rotator cuff reconstruction. ”

*Repetitive H-Wave® Device stimulation and program induces significant increases in the range of motion of post-operative rotator cuff reconstruction in a double-blinded randomized placebo controlled human study. BMC Musculoskeletal Disorders. 2009 Oct 29;10(1):132 [PMID:19874593, Indexed for MEDLINE]*