

## Horizontal Electro-Therapy treats the following conditions:

- Acute Pain (Trauma, Post-Op)
- Cancer Induced Nerve Pain
- Carpal Tunnel Syndrome
- Complex Regional Pain Syndrome
- Diabetic Nerve Pain
- Fibromyalgia
- Joint Pain (knee, elbow, shoulder)
- Low Back Pain
- Nerve Pain
- Osteoarthritis
- Restless Leg Syndrome
- Sciatica

## Risks and Responsibilities

The reported benefits of Horizontal Electro-Therapy may not be experienced by all patients. Horizontal Electro-Therapy treatments are administered via an electro stimulation device. Like all medical devices and treatments, some risk is involved. The risks associated with Horizontal Electro-Therapy include irritation, blistering at the treatment site, bruising and/or swelling at the injection site. Patients who have a defibrillator, pacemaker, or active cancer are not able to receive Horizontal Electro-Therapy. Patients who have a history of cardiac arrhythmia, blood clots, or active cancer will require clearance from their doctor prior to receiving treatment.

**References:** 1. Carney, PM. (2014). Quantum Theory Treats Neuropathy Better Than Pharmacology. *The Pain Practitioner*, 28-31. 2. Odell RH, Sorgnard RE. (2011, June). New Technique Combines Electrical Currents and Local Anesthetic for Pain Management. *Practical Pain Management*, 52-68. 3. Sorgnard RE, Milne R, Odell RH. (2017). Utilization of Electronic Cell Signaling to Effect Recovery From Peripheral Neuropathy in Patients with Complete Foot Drop. *Journal of Spine & Neurosurgery*, 6(3), 1-4. 4. AAPM 2017 Annual Meeting Abstracts, *Pain Medicine*, Volume 18, Issue 3, March 2017, Pages 569-621. 5. Weintraub, M. I., Herrmann, D. N., Smith, A. G., Backonja, M. M., & Cole, S. P. (2009). Pulsed electromagnetic fields to reduce diabetic neuropathic pain and stimulate neuronal repair: a randomized controlled trial. *Archives of physical medicine and rehabilitation*, 90(7), 1102-1109. 6. Chang, Y. J., Hsu, C. M., Lin, C. H., Lu, M. S. C., & Chen, L. (2013). Electrical stimulation promotes nerve growth factor-induced neurite outgrowth and signaling. *Biochimica et Biophysica Acta (BBA)-General Subjects*, 1830(8), 4130-4136. 7. Odell R.H., Sorgnard R.E. (2008). Anti-inflammatory effects of electronic signal treatment. *Pain Physician*, 11(6), 891-907. 8. Cramp A. F., Gilsean, C., Lowe, A. S., & Walsh, D. M. (2000). The effect of high-and low-frequency transcutaneous electrical nerve stimulation upon cutaneous blood flow and skin temperature in healthy subjects. *Clinical physiology (Oxford, England)*, 20(2), 150-157. 9. Ding, L., Song, T., Yi, C., Huang, Y., Yu, W., Ling, L., ... & Weiz. (2013). Transcutaneous electrical nerve stimulation (TENS) improves the diabetic cytopathy (DCP) via up regulation of CGRP and cAMP. *PloS one*, 8(2), e57477.

3709 Magnolia Street, Suite B  
Orangeburg, SC 29118



Office: (803) 939-6142

South Carolina  
Interventional Medicine

[www.SCInterventionalMedicine.com](http://www.SCInterventionalMedicine.com)