

Ivivi Health Sciences

What is it?

Ivivi develops and sells non-invasive, non-pharmacological prescription anti-inflammatory devices that are FDA-cleared for the treatment of post-operative pain and edema and approved by Medicare for the treatment of chronic wounds.

How does it work?

Ivivi's technology uses a pulsed electromagnetic field (PEMF) to induce a micro-current in injured tissues. These micro-currents enhance basic electrochemical processes of the body, accelerating the natural anti-inflammatory "cascade" to significantly reduce pain, while decreasing both recovery time and the use of pain medication.

The exact mechanism of action involves the acceleration of well-understood electrochemical processes - the binding of calcium and calmodulin - which in turn increases anti-inflammatory nitric oxide production. The mechanism of action is explained in a comprehensive review article "Evidence-Based Use of Pulsed Electromagnetic Field Therapy in Clinical Plastic Surgery"¹¹ which was published in April 2009. Co-authors include a Nobel Laureate on mechanism of action and leading surgeons

Key findings in clinical studies include:

- 55% reduction in post-operative pain, 50% reduction in pain medication, 50% reduction in IL'1b (objective marker of inflammation)²
- 45% rapid reduction in pain in chronic OA of the knee³
- 270% faster reduction in post-surgery pain, 60% less pain medication⁴
- 72% reduction of sacral ulcers in paraplegics⁵



Disposable Torino™ Units

Other clinical references and referrals to physicians who use the technology are available by contacting us. More information is available on the website at ivivihealthsciences.com

Contacting Ivivi Health Sciences:

Send an e-mail with your questions to info@ivivihealthsciences.com

¹ Strauch, et al; April 2009 Aesthetic Surgery Journal

² Rohde, et al, 2010 Plastics and Reconstructive Surgery

³ Nelson, et al 2010 Orthopaedic Research Society

⁴ Heden, Pilla, et al; July 2008, Aesthetic Plastic Surgery

⁵ Kloth, et al, 1999, EMMB

Roma³™ Institutional Unit

