

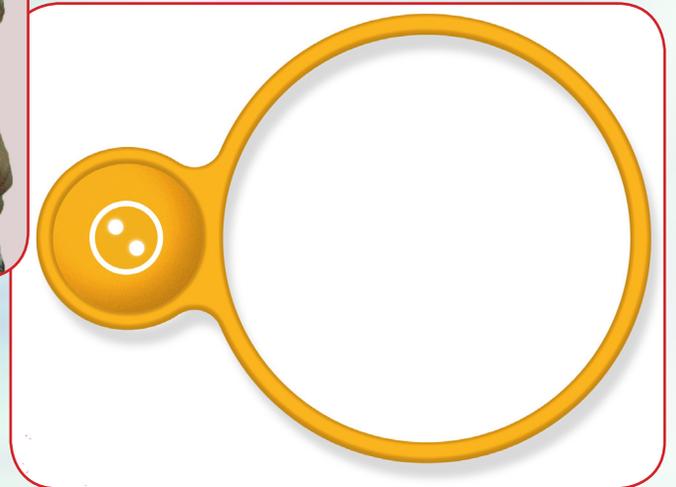
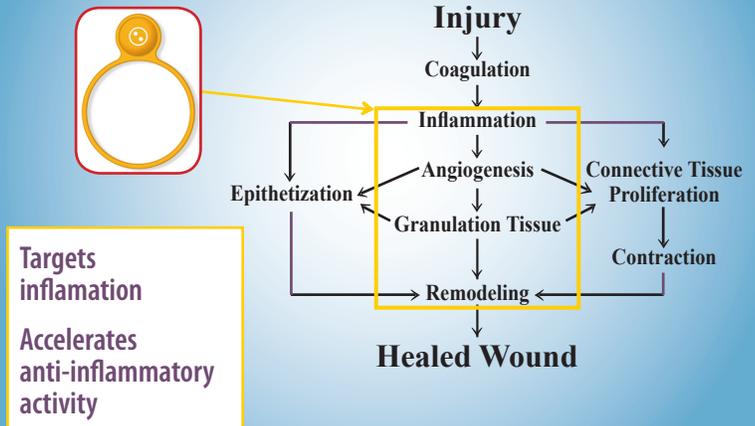
**FDA CLEARED, EVIDENCE BASED THERAPY FOR NON-INVASIVE,
NON-PHARMACOLOGICAL TREATMENT OF PAIN AND EDEMA**

Targeted Pulsed Electromagnetic Field Therapy (tPEMF™)

- FDA cleared for the treatment of pain and edema in soft tissue anywhere on the body
- Approved in July 2004 by Centers for Medicare and Medicaid Services for use with chronic wounds
- Weighs less than two ounces
- For use on ALL species of animals
- Can be incorporated into bandaging or casting and is programmed to automatically deliver intervals of therapy over a number of days
- Extensively researched by prestigious medical institutions

How it Works

PEMF affects the healing cycle All cascades Ca/CaM-Dependent

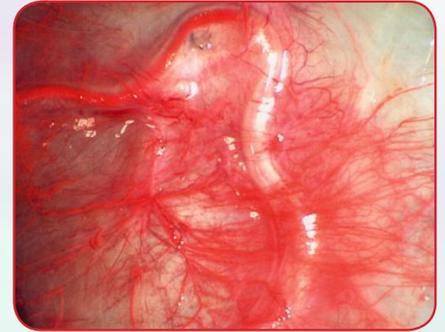
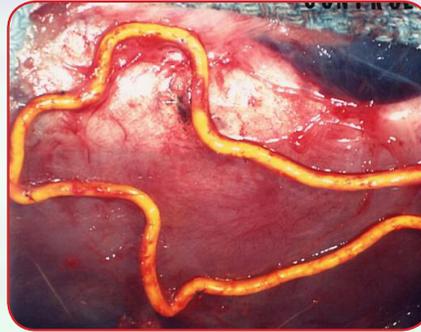


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SELECTED PUBLISHED PEER REVIEWED STUDIES

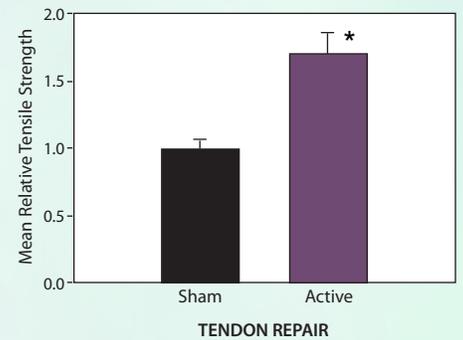
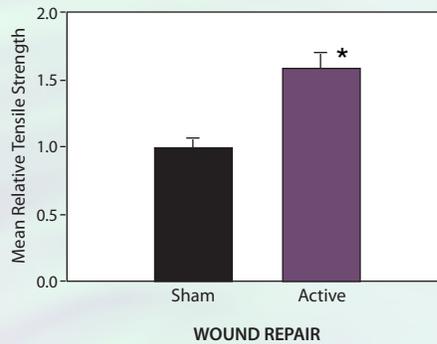
Angiogenesis

Effect of PEMF on angiogenesis in a transplanted arterial loop in the rat groin. Left: control; Right: 8 weeks PEMF treatments 30 min. B.I.D. Angiogenesis was reported to be 500% greater in the treated animals. (Roland, 2000 PRS)



Tendon Repair

Effect of PEMF, configured for the Ca/CaM pathway, on cutaneous full thickness wound (Left) and transected Achilles' tendon (Right) healing in the rat. PEMF treatment was 30 min twice daily for 21 days. The results showed tensile strength of the treated wound and tendon was respectively 59% and 69% stronger (Strauch, et al 2007 PRS; Strauch, et al, 2006 JHS).



Pain/Edema Management

Carrageenan Study

graph A

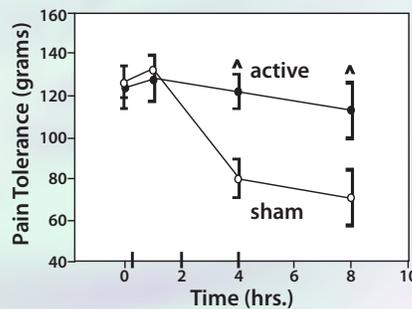
Significantly greater edema in sham group 61% (P = 0.003) vs active group at 8 hours

graph B

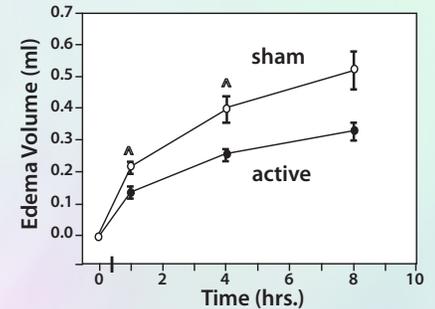
Pain tolerance remains the same in active group, decreased by 59% (P < 0.001) at 8 hours in sham group

Results comparable to NSAIDs²

graph A



graph B



Standard animal model for assessing anti-inflammatories

Wound Healing

Non-healing episternal abscess wound post cardiac surgery in an elderly male. Left: Open cardiac wound following drainage of abscess, PEMF treatment start. Right: Wound closure after eight weeks 30 min PEMF treatment b.i.d. Patient was cared for in hospital for one week and then transferred to a nursing home with a portable PEMF unit until healed.

