

SofPulse[®] tPEMF

Targeted Pulsed ElectroMagnetic Field Therapy

Rapid and significant reductions in pain,
the use of narcotics and other pain medications



- Reduces pain and swelling
- Facilitates healing
- Drug-free and non-invasive
- Decreases uses of narcotics
- No potential for overdose or dependency
- Supported by extensive clinical studies
- No known side effects in millions of treatments
- Safe, FDA-cleared, simple and effective

Clinical Evidence

The efficacy of tPEMF technology, and the use of SofPulse[®], is supported by significant clinical research. tPEMF will not affect healthy tissue, increases efficiency of the body's natural pain healing responses and can be easily integrated into any pain management protocol. A small sampling of those studies is below.

80%

Acceleration in post-surgery pain relief
(Heden, 2007)

44%

Produced a 57% decrease in pain at one hour and a 300% decrease at five hours
(Rhode, 2010)

70%

Reduced pain and narcotics use post op 40-70% in bi-lateral mastectomy
(Gabriel; 2009)

60%

Immediate 44% decrease in pain (one day) and showed a 60% decrease in Osteoarthritis pain over time
(Nelson, 2010)

57%

57% reduction in pain at one hour post-op, 55% less pain medication, 50% less inflammation
(Rhode, 2009)

How tPEMF Impacts Cost of Care



- tPEMF significantly reduced post-operative pain, inflammation, and narcotic use following TRAM flap breast reconstruction which may reduce length of in-patient hospital stays, reduced mortality (Rhode et al; 2009)
- Osteoarthritis active group showed an immediate (in one day) 44% decrease in pain and slowly over time showed a 60% decrease in pain. (Nelson et al; 2010)
- Accelerates discharges in post-surgical patients and decreased post-surgical hospitalizations by 1-3 days. (Strauch, et al, 2009)

SofPulse® Regulatory Approvals

- FDA Cleared for treating post-operative pain and edema
- CE mark for the treatment of pain, wounds and edema
- CMS national coverage determination for PEMF for chronic wounds

How It Works

SofPulse® delivers a low level electric field to the tissue to help reduce swelling and speed up the natural recovery process. This low level of electric field is completely safe and in fact is 1,000 times lower than what is emitted by a mobile phone.

Right down to the cellular level, the body works on an electro-chemical basis. In fact, all activity in the body is caused or facilitated by electrically driven binding processes. SofPulse® has been shown in multiple publications to affect the electrochemical process that triggers the release of nitric oxide — the first step in the body's natural anti-inflammatory response.

- SofPulse is placed on the desired treatment area (treatment depth is 5" and works through dressings, casts and clothes)
- The body responds within milliseconds by releasing nitric oxide, the body's own natural anti-inflammatory chemical.
- The blood vessels respond by smoothing out and allowing greater blood flow. This reduces pain and edema.
- Downstream growth factors are released (hours to days)
- Angiogenesis occurs (days to weeks)



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