

Clinical Image

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Sam, a New Portable Long Duration Ultrasound Device (45 Subs)

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The SAM (sustained acoustic medicine) is a small, portable device that delivers over 18,000 Joules of energy when 4 crystals are worn for 4 hours. This has been shown to decrease trapezius myofascial pain, postoperative shoulder pain and low back pain with a herniated disk. The following is the results of a study comparing SAM and placebo on pain. (Figure 1)



Figure 1: Preliminary version of Zetroz Device in knee.

The study

1. Double-blind, placebo controlled trial.
2. N=46 patients with mild-moderate knee osteoarthritis.
3. 2 weeks baseline followed by 6 weeks treatment with SAM, self-applied to medial and lateral aspect of the knee. At least 4 treatments a week.

Results

1. Significant 2.5 VAS pain reduction in active vs. placebo group over 8-week study ($p < 0.003$).
2. Significant 1.35 Weeks of daily reduction in pain vs. placebo group. ($p < .001$) Based upon the results of the study, SAM is effective at relieving osteoarthritis of the knee.

Acknowledgement

None.

Conflict of Interest

No Conflict of Interest.