sam

sam® Sport

Recover Faster, Recover Stronger.

Sustained Acoustic Medicine

samrecover.com

sam® Sport

The Solution for Sports Related Injuries

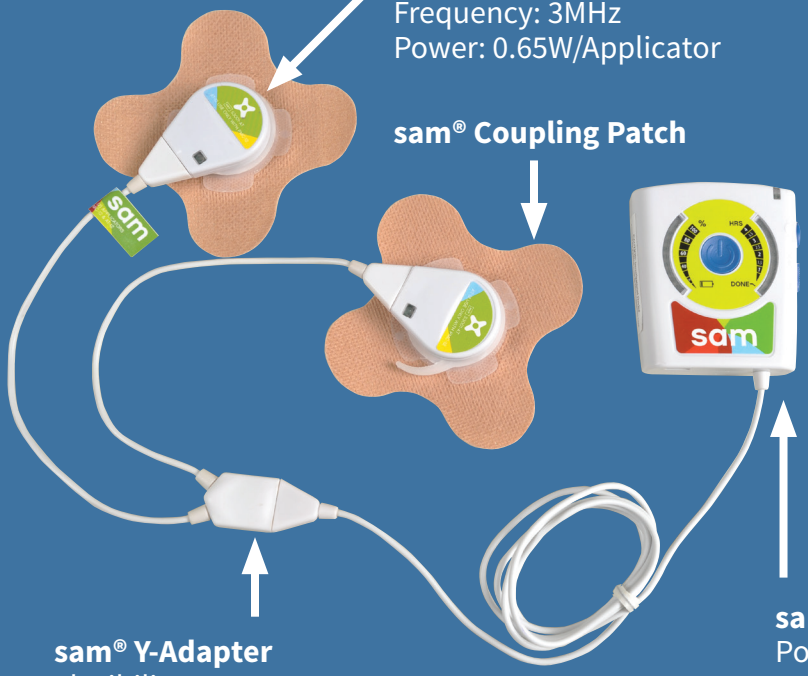
Among athletes, Tendon and Muscle injuries account for

40%–60% of Sports Related Injuries.[1]

sam® Sport is an FDA cleared bio-regenerative wearable medical device which reduces the pain associated with tendon, ligament or muscle injuries and also accelerates the natural healing cascade.

sam® Sport provides ultrasonic waves that penetrate 5 cm into the tissue, which increases circulation, oxygen and nutrient delivery, and the removal of waste products, such as lactic acid, from the site of a musculoskeletal injury.

sam® Sport is designed for ease of use

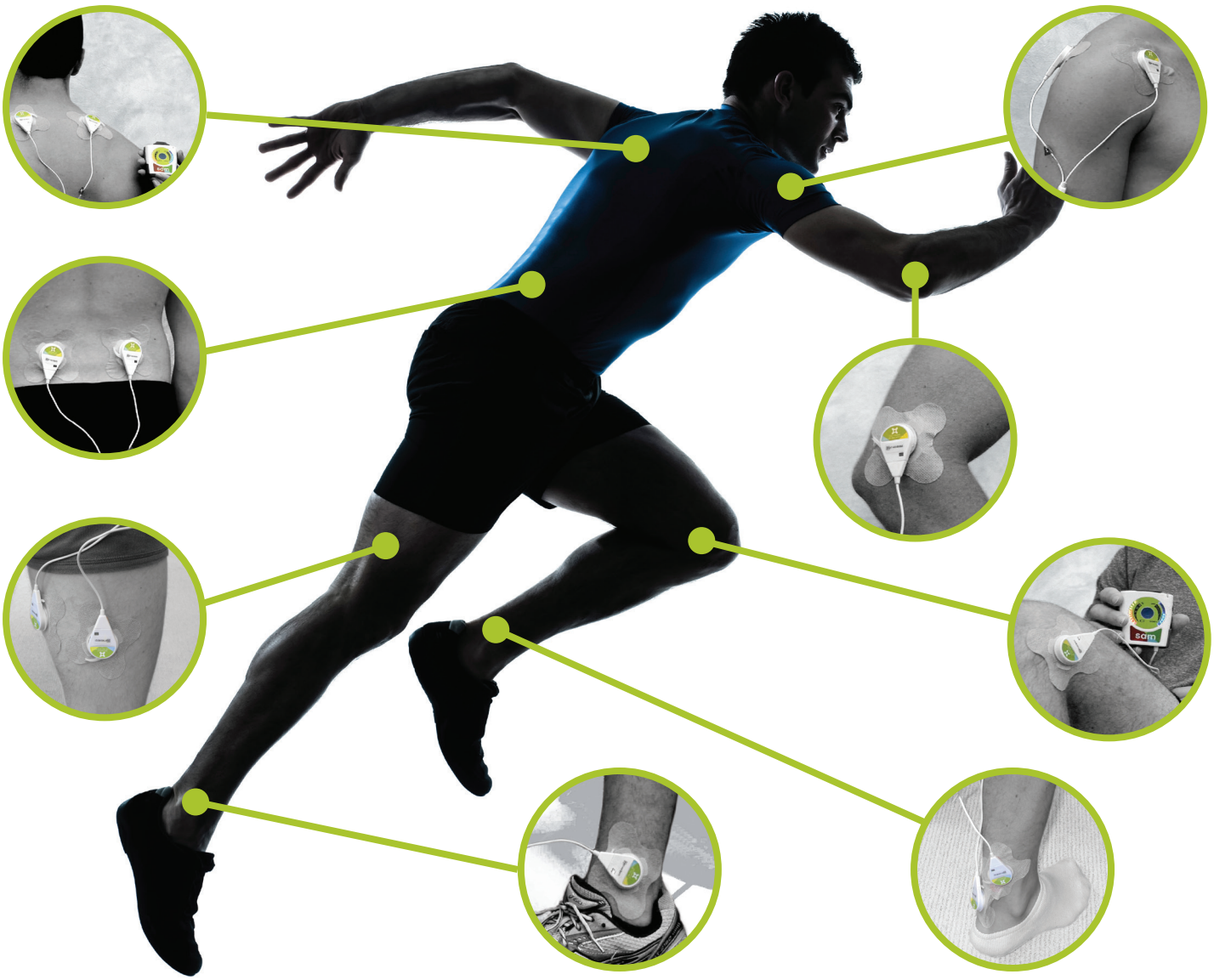


Using sam® Sport is as easy as 1, 2, 3.

1. Snap the Applicators into the Coupling Patch
2. Remove the Coupling Patch backing and apply to the Injured Tissue areas
3. Turn-On the Power Controller and set the Treatment Time (Typically 4-hours)

Get Back in the Game

Recover Faster, Recover Stronger



94%

Surveyed practitioners thought sam® Sport was easy to use

100%

Surveyed practitioners would use sam® Sport again

90%

patients reported a positive experience with sam® Sport

sam® Sport

sam® Sport is indicated for the treatment of select medical conditions such as the relief of pain, the relief of muscle spasm, the treatment of joint contractures, and the increase of local circulation. It is most commonly prescribed for **tendinopathies; muscle strain, spasms and bruises; and osteoarthritis pain of the knee.**

Benefits of sam® Sport:

- ✓ Reduces Pain
- ✓ Enhances tissue recovery
- ✓ Provides deep heating
- ✓ Delivers mechanical compression
- ✓ Increases deep circulation
- ✓ Increases oxygen and nutrient delivery
- ✓ Provides daily, multi-hour therapy
- ✓ Wearable and portable

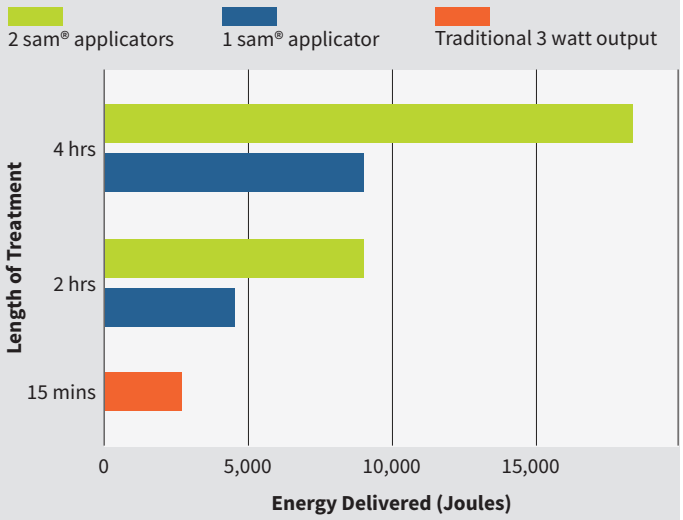
"sam® is a novel and effective therapy for the treatment of tendon and muscle injuries."

Thomas M. Best, MD, PHD
Professor & Pomerene Chair, Division of Sports Medicine,
Ohio State University College of Medicine

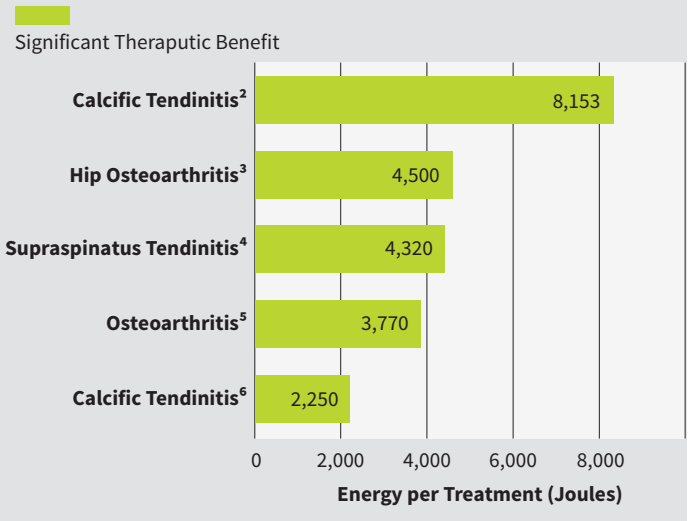
David O. Draper, EdD, ATC, FNATA
Professor of Athletic Training, Department of Exercise Sciences, Brigham Young University

Justin Rigby, PhD, LAT, ATC
Assistant Professor, Department of Athletic Training and Nutrition, Weber State University

sam® Sport vs. Traditional Ultrasound



Importance of Acoustic Energy Dosing
Greater than 2,000 J/Treatment = Significant Clinical Benefits



sam® Sport

Clinical Evidence of Faster and Stronger Recovery

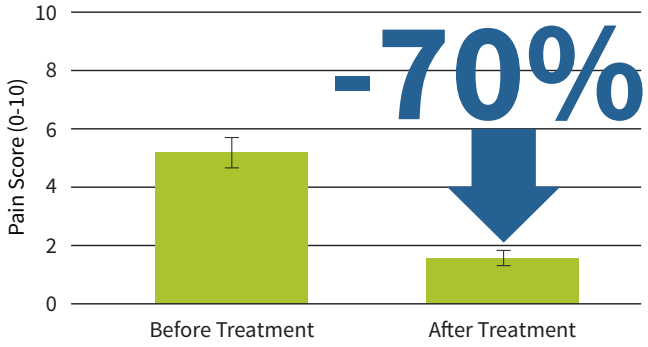
Tendon Injury Recovery [7,8]

Grip Strength of Injured Arm Increased

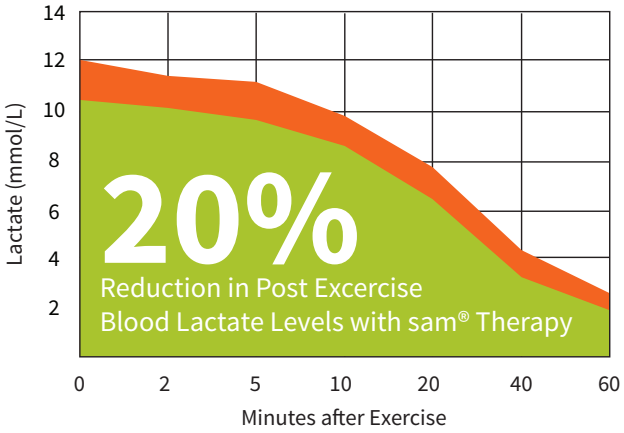
17%

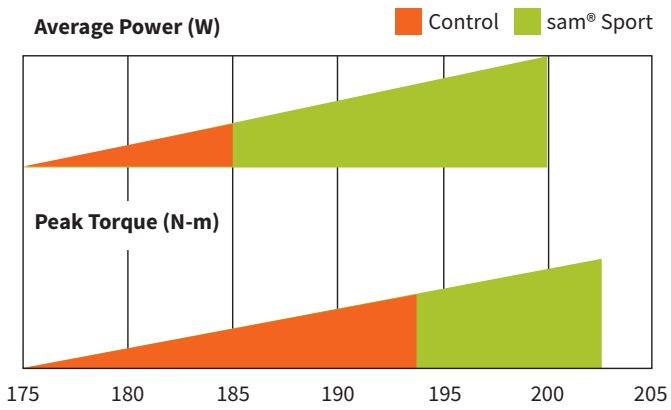
with sam® Treatment

70% Decrease in Pain after 6 Weeks



Accelerated Muscle Recovery [9]

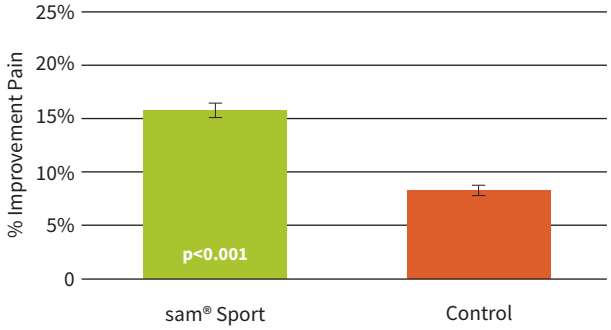




Pain Relief is Immediate and Grows with Time

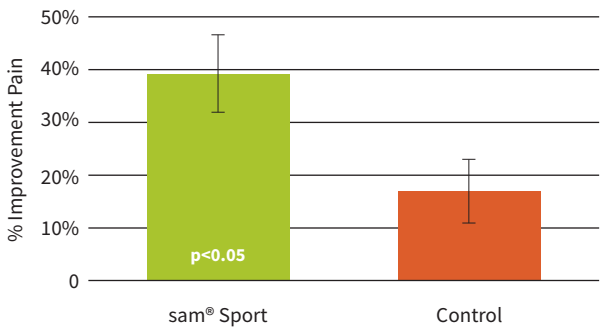
Patients Report Pain Reduction Immediately Within Treatment Sessions

Trapezius Muscle Spasm [10]



Pain Relief Grows with Regular Therapy

Knee Osteoarthritis [11,12]



Contraindications

Contraindications for the use of sam® Sport include over an area of the body where a malignancy is known to be present, over the eyes, over or near growth centers until bone growth is complete, over the reproductive organs, over the pregnant uterus, over a healing bone fracture, on the thoracic area if the patient is using a cardiac pacemaker, over an active implanted medical device such as an implanted deep brain stimulation device, on the brain, spinal cord, or large subcutaneous peripheral nerves, ischemic tissues in individuals with vascular disease where the blood supply would be unable to follow the increase in metabolic demand and tissue necrosis might result.

Warnings

- If the treatment is reported as painful or too hot at any point during treatment, turn off device and remove the device from the skin.
- Instruct the patient to inform the practitioner if the patient feels any pain or burning during treatment.
- Instruct the patient how to turn off the sam® Sport device and remove the sam® Sport applicator if the patient feels any pain or burning during treatment.
- If the Lock Switch is in the locked position it must be placed in the unlocked position to disable the power. Locking the treatment settings is optional and not required for treatment.
- ALWAYS administer treatment using a new sam® Sport ultrasound coupling patch. Use one sam® Sport ultrasound coupling patch per applicator. Use of the sam® Sport ultrasound applicator without a new sam® Sport ultrasound coupling patch MAY RESULT IN BURN and/or REPEATED SHUTOFF of the sam® Sport applicator.
- sam® Sport should be kept out of the reach of children.
- DO NOT apply the sam® Sport applicator with alternative coupling media as a replacement for the sam® Sport ultrasound coupling patch. Use of alternative coupling media in lieu of the sam® Sport ultrasound coupling patches may reduce the effectiveness of treatment, lead to automatic shutoff of the applicator, or cause a burn.
- DO NOT administer treatment if the applicator is not connected to a sam® Sport ultrasound coupling patch.
- Applicators and sam® Sport ultrasound coupling patches are not sterile. DO NOT apply this device over an open wound or inflamed skin.
- Do not use the sam® Sport ultrasound coupling patches if the sam® Sport ultrasound media is dried out. Indications of a dried out patch include: the cup is not full of gel, there is dry residue or film in the cup, or there is any cut, break, or opening in the bandage or seals.
- DO NOT apply directly over a bone that is near the skin surface.

References

1. Roos KG et al, American Journal of Sports Medicine, 2015; 43: 1790-1797.
2. Shomoto K, et al. Journal of the Japanese Physical Therapy Association. 2002;5(1):7-11.
3. Köybaşi M, et al. Clinical Rheumatology. 2010;29(12):1387-1394.
4. Downing DS and Weinstein A. Physical Therapy. 1986;66(2):194-199.
5. Özgönenel L, et al. Ultrasound in Medicine & Biology. 2009;35(1):44-49.
6. Ebenbichler GR, et al. New England Journal of Medicine. 1999;340(20):1533-1538.
7. Draper DO et al. World Confederation of Physical Therapy Congress. Singapore, May 2015.
8. Moorman CT et al. NATA Annual Convention. St. Louis, MO, June 2015.
9. Draper DO et al. NATA Annual Convention. St. Louis, MO, June 2015.
10. Lewis GK et al. Ultrasound in Medicine and Biology, 2013; 39(8): 1429-1439.
11. Langer MD et al. Human Research Program Investigator's Workshop: Integrated Pathways to Mars. Galveston, TX, 2015.
12. Langer MD et al. World Confederation of Physical Therapy Congress. Singapore. May 2015.

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