

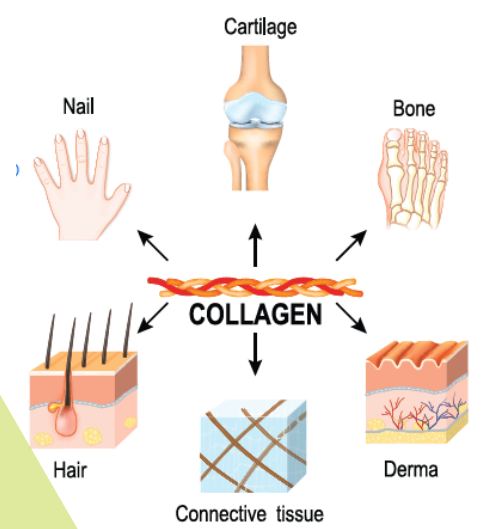
# How sam<sup>®</sup> Helps Clinicians

- sam<sup>®</sup> is the first soft-tissue treatment intervention to reduce healing time at home, complementing the widely used RICE method.
- Reduces, puts off, or eliminates many costly and more risky surgical procedures.
- Overwhelming clinical evidence supports the clinicians position to prescribe sam<sup>®</sup> as a conservative treatment.
- sam<sup>®</sup> speeds healing and reduces pain without the use of opioid-based drug prescriptions offering the clinician a safer treatment option.
- sam<sup>®</sup> is FDA cleared to be self-administered by the patient.



# Mechanisms of Action Mechanobiological Device

Sustained Acoustic Medicine Is proven to supercharge the body's natural healing process. We all heal naturally, but it can be slow due to poor underlying circumstances.



# Research & Clinical Education

**Pain reduction and functional improvement in chronic elbow tendinopathy.**  
(Best TM, Moore B, Jarit P, Moorman CT, Lewis GK. Sustained acoustic medicine: wearable, long duration ultrasonic therapy for the treatment of tendinopathy. Phys Sportsmed. 2015 Nov;43(4):366-74. doi: 10.1080/00913847.2015.1095617. Epub 2015 Oct 15. PMID: 26468991.)

**Long Duration Ultrasound Enhances Soft Tissue Healing**  
(Winkler SL, Urbisci AE, Best TM. Sustained acoustic medicine for the treatment of musculoskeletal injuries: a systematic review and meta-analysis. BMC Sports Sci Med Rehabil. 2021 Dec 18;13(1):159. doi: 10.1186/s13102-021-00383-0. PMID: 34922606; PMCID: PMC8684070.)

**sam<sup>®</sup> supports arthritis pain management by using continuous ultrasound to enhance local tissue effects associated with reduced inflammation.**  
(Masterson J, Kluge B, Burdette A, Sr GL. Sustained acoustic medicine; sonophoresis for nonsteroidal anti-inflammatory drug delivery in arthritis. Ther Deliv. 2020 Jun;11(6):363-372. doi: 10.4155/tde-2020-0009. Epub 2020 Jul 13. PMID: 32657251; PMCID: PMC7373207)

# All Walks of Life Can Benefit from sam<sup>®</sup>



sam<sup>®</sup> is helping thousands of patients daily to heal faster, reduce pain and get back to a higher quality of life.

## Military and Veteran Patients

sam<sup>®</sup> wearable ultrasound is available on contract for US Veterans through the national networks of VA Healthcare Centers.  
  
 Most commonly used for arthritis, chronic pain and post-surgical recovery.

## Professional and College Athletes

sam<sup>®</sup> is used by over 75% of injured professional athletes in the USA.  
  
 Pre-approved by insurance for most collegiate athletes, daily wearable ultrasound treatment can accelerate return to play.

## Personal Injury or Work Related Injury

Injured in a car accident or on the job and looking for another option besides surgery or drugs?  
  
 sam<sup>®</sup> products are covered by most insurance carriers to help you get back to life, work and living pain free.

**Team clinicians for Pro & College Sports trust sam<sup>®</sup> to get their team back in the game.**



The sam 2.0 Long Duration Ultrasound Device is intended for home use to apply ultrasonic energy to generate deep heat within body tissues for the treatment of selected medical conditions such as the relief of pain, the relief of muscle spasms, the treatment of joint contractures, the local increase in circulation, and the relief of pain associated with limited mobility and function related to soft tissue injuries (e.g., knee osteoarthritis, chronic myofascial pain, and shoulder, elbow and ankle tendinopathy).



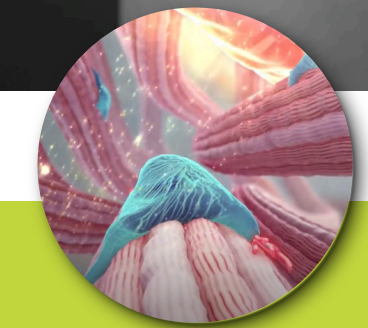
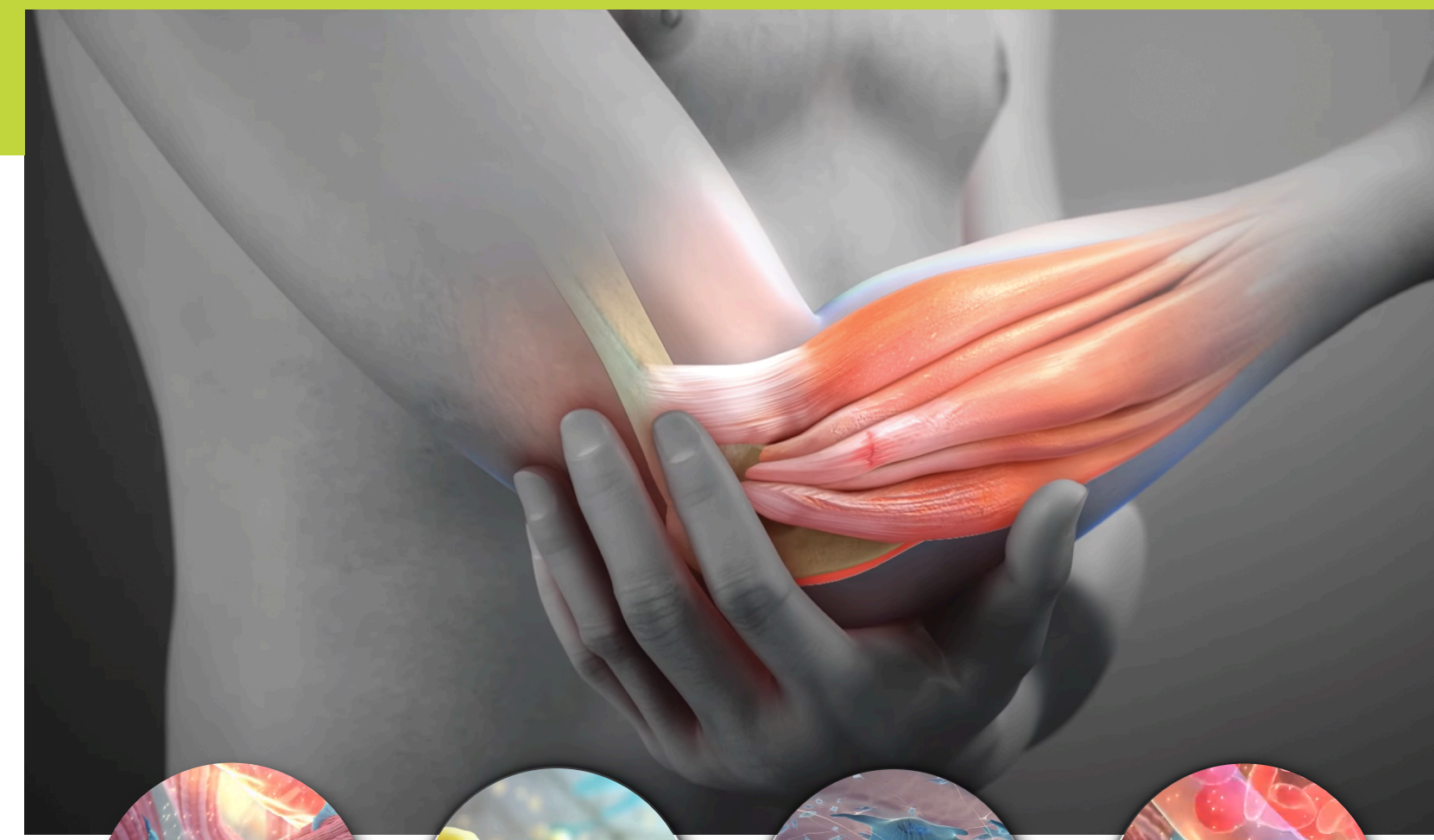
Visit our website: [www.samrecover.com](http://www.samrecover.com)

# Sustained Acoustic Medicine

# Breakthrough Technology :



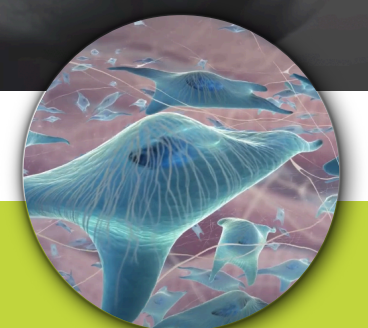
Clinically Proven Wearable Ultrasound for At-Home Soft Tissue Healing and Pain Relief



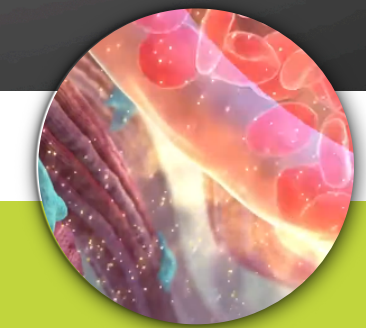
Promotes Native Tissue Regeneration



Up-regulation of TGF-β



Enhancing Cellular Proliferation



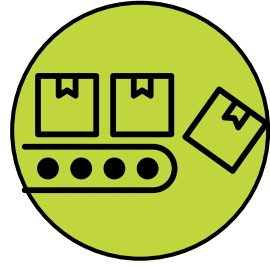
Type-I and Type-III Collagen Deposition

# How sam<sup>®</sup> Benefits Payors

## TOP 5 Occupations by Number of DAFW (Days Away From Work) Cases



**Transportation and material moving**



**Production**



**Healthcare Support**



**Healthcare Practitioners**



**Construction Laborers**

### Primary Injury Risks

Transportation workers often face overexertion, slips, falls, and vehicle incidents. Production employees risk injuries from equipment contact, overexertion, and repetitive tasks. Healthcare staff experience overexertion from patient handling. Construction laborers are prone to falls, struck-by incidents, and other site hazards. First responders frequently suffer soft-tissue injuries, sprains, and strains from lifting patients, equipment, and responding to emergencies.



# Sam<sup>®</sup> Placement Protocol



Using biotechnology, sam<sup>®</sup> increases blood vessel diameters to improve blood flow. This increases oxygenated hemoglobin at the site and removes cytokine enzymes and cellular waste. The result is more rapid healing and reduced pain.



Sustained Acoustic Medicine (sam<sup>®</sup>) is a continuous long duration, daily ultrasound treatment that can reduce the need for pain medication and surgery.

Using mechanobiology, sam<sup>®</sup> combines the thermal effects of ultrasound and the mechanical forces of ultrasound and has physical effect on the targeted tissue.

### Most Commonly Treated Chronic Pain and Musculoskeletal Injuries Treated with sam<sup>®</sup>

- Knee: Pain, Osteoarthritis, Meniscus, ACL
- Back Pain and Spasms: Lower/Trapezius & Sciatic Pain
- Chronic Shoulder Tendinitis, Pain, and Frozen Shoulder
- Chronic Lateral or Medial Epicondylitis
- Ankle Injuries: Sprain, Frayed Achilles and Post-Op Achilles
- Carpal Tunnel Syndrome
- Plantar Fasciitis
- Overuse Injuries

## HOW DOES IT WORK?

**Essentially sam<sup>®</sup> supercharges the body's natural healing cascade.**

It accelerates collagen repair to heal muscle, tendon, and ligament tears, and promotes new blood vessel growth for improved circulation. Unlike TENS or E-Stim devices that only block pain, sam<sup>®</sup> targets the source of pain by supporting tissue healing and reducing discomfort naturally.

## SPECIFICATIONS

ENERGY

**1.3W**

DEPTH OF TREATMENT

**5 CM**

4 HOUR TREATMENT

**18,720 JOULES DELIVERED**

## QUICK HIGHLIGHTS

- FDA- Cleared.
- Funded by National Aeronautics and Space Administration (NASA) and National Institutes of Health research.
- Over 40 scientific research studies behind sam<sup>®</sup>.

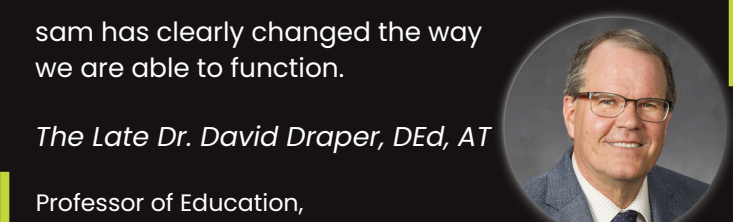
“



sam is clinically proven to reduce pain and restore function in patients with osteoarthritis.  
*Dr. Thomas Best, MD, PHD*  
Professor of Medicine,  
University of Miami, FL

”

“



sam has clearly changed the way we are able to function.  
*The Late Dr. David Draper, DEd, AT*  
Professor of Education,  
Brigham Young University, Provo, UT

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