

# Pain Care Labs Awarded Phase 2 Funding from NIH HEAL Initiative, Announces Successful Phase 1 Pilot

*Leading Innovator in Non-Invasive Pain Relief to Expand Patented M-Stim™ Technology for At-Home Treatment of Low Back Pain*

ATLANTA, GEORGIA, USA, October 21, 2021 /EINPresswire.com/ -- Pain Care Labs, the industry leader in non-invasive pain relief devices, announced today that it has received additional funding totaling \$1.7 million from the [National Institutes of Health](#) (NIH) to apply its patented technology to low back pain relief. As part of the Helping to End Addiction Long-term Initiative or NIH HEAL Initiative, the research effort aims to improve treatments for chronic pain, curb the rates of opioid use disorder and overdose and achieve long-term recovery from opioid addiction. Additional funding under the grant will allow Pain Care Labs to address opioid use disorder with the continued development and clinical evaluation of a multimodal neuromodulation device for use in acute and chronic low back pain.

Pain Care Labs uses Nobel-prize-winning science to make devices incorporating pressure and temperature to relieve acute and chronic pain. A successful Phase 1 pilot showed a 57% reduction in low back pain that lasted approximately as long as acetaminophen with codeine. Pain Care Labs now accesses additional funding for large-scale clinical trials and manufacturing to make the low-back pain device market-ready, and to evaluate the appropriateness of the device as an opioid alternative. The new funding is especially timely in connection with ongoing distancing directives necessitated by COVID-19, when patients need options to manage pain at home.



"While many Americans remain close to home, the challenge of pain management becomes more urgent," explains Amy Baxter, MD, CEO and Chief Medical Officer. "Patients lack their usual access to pain control modalities, including physical therapy, massage, and acupuncture, so opioid alternatives are even more critical." Pain Care Labs currently offers a variety of available interventions for pain relief for inflammation, overuse, and post-operative recovery. The new funding under the grant allows Pain Care Labs to expand on Phase 1 success with difficult-to-treat low back pain, and accelerate the market-readiness of the low back pain device.

"Our mission is to eliminate unnecessary pain. The [Buzzy needle pain relief devices](#) we pioneered are helping get the country vaccinated," says Dr. Baxter. "We look forward to expanding our proven solutions to low back and pelvic pain, and understanding how to optimize mechanical stimulation to cancel pain. The new grant funding accelerates that timeline. This is a win for the nation."

Existing research shows that more than one in three adults say back pain impacts everyday

activities, including sleep. "Pain feels worse when you feel helpless. This grant will allow us to expand the technology in our patented M-Stim and Oscillice technologies, testing new frequencies and thermal modalities in a bigger device specific for the low back. Additionally, we'll research whether having power over pain reduces opioid use," says Dr. Baxter.

This week, the Company is thrilled to be [exhibiting](#) [VibraCool](#), VibraCool Pro, and DuoTherm in person for the first time in nearly two years at the Becker's ASC 27th Annual Meeting in Chicago. "Under pandemic, surgery centers have played a crucial role in delivering high-quality, low-cost healthcare," observes Nicole O'Brien, Director of Channel Marketing & Business Development at Pain Care

Labs. "We are honored to be part of the conversation around strategic growth of ASCs, with patient care at the center."


**WHAT WORKS FOR PAIN**

**OVER THE COUNTER MEDICATIONS**

ACETAMINOPHEN, IBUPROFEN, DIPHENHYDRAMINE

- + Ideal for short term situations like acute injury or after surgery
- + Allows for alternating solutions: relief is never more than 3 hours apart
- Always check with your physician first
- Recommended for 4 days or fewer

Acetaminophen for pain	15mg/kg	every 4 hours
Ibuprofen for pain	~7mg/lb	≤ 4 x day
Diphenhydramine for insomnia	10mg/kg	every 6 hours
	25mg	once nightly

**NATURAL/HERBAL**

ORAL: MAGNESIUM, TURMERIC (CURCUMIN), DEVIL'S CLAW ROOT, BUTTERBUR, BOSWELLIA, GINGER EXTRACT, OMEGA-3 & OMEGA-6 FATTY ACID, MELATONIN, 5-ADENOSYLMETHIONINE TOPICAL: CBD, CAPSAICIN/CAPSICUM, ANALGESIC CREAM, CAMPHOR, MENTHOL, COMfrey, WILLOW BARK (CONTAINS ASPIRIN)

- + Few side effects
- + Growing body of research
- Often require days to weeks to be effective
- May be condition-specific
- Need to check for interactions
- Preparations can vary

Magnesium 250-500 mg/day  
Boswellia 300mg 3 x day  
Ginger extract 2-4 x day  
Camphor / Menthol Do not combine with ice

**PHYSICAL TREATMENTS**

BUZZY® & VIBRACOOL® (HIGH FREQUENCY LOW AMPLITUDE), MASSAGE, ICE, HEAT, YOGA, BATHS, CHIROPRACTOR, FOAM ROLLER, MECHANICAL TAPE, LOW LEVEL LASER THERAPY, PILLOWS, ULTRASOUND, TENS, COMPRESSION, STRETCHING, TRIGGER POINT DEVICES, WEIGHTED BLANKETS, ORTHOTICS, PHYSICAL THERAPY, SWIMMING, ACUPUNCTURE

- + Ideal for acute pain, healing from an injury or surgery, and many chronic pain conditions
- + Variety of options to fit lifestyle & budget
- + Non-invasive, non-addictive
- + Can be combined for greater results
- Varying levels of proven effectiveness between different treatments
- May take combos and experimentation - keep trying!

MAGNESIUM 250-500 mg/day  
BOSWELLIA 300mg 3 x day  
GINGER EXTRACT 2-4 x day  
CAMPHOR / MENTHOL Do not combine with ice

**MIND+BODY SOLUTIONS**

MEDITATION, SLEEP (MELATONIN 3-6 MG 1-2 HOURS BEFORE BED), PUZZLES, HUGS, SUPPORT GROUPS, PERSONAL FAITH PRACTICES, MUSIC, COOKING, DANCE, VIDEOS, HIKING, GAMES, MUSEUMS, SETTING AND ACCOMPLISHING ACTIVITY GOALS (A.C.T.), PROGRESSIVE MUSCLE RELAXATION, COGNITIVE REFRAMING, DEEP BREATHING, AROMATHERAPY, CALM AMBIENCE, GUIDED IMAGERY, VIDEO/PHONE CALLS

- + Sustainable treatment for chronic pain
- + Fosters support systems
- + Nearly infinite variety of distractions
- + More effective than traditional pain therapy for some types of chronic pain
- Requires disciplined mental shift in thinking about pain

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Not all treatments or supplements are appropriate for all pain conditions. This list contains evidence-based interventions and physical therapy options evaluated by Pain Care Labs which may not be appropriate for every pain condition. Check with your physician to determine optimal recommendations.

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## ABOUT THE NIH HEAL INITIATIVE

The NIH awarded almost a billion dollars in grants during the 2019 fiscal year to tackle the national opioid crisis through the agency's NIH HEAL Initiative. NIH launched the Initiative in April 2018 to improve prevention and treatment strategies for opioid misuse and addiction and enhance pain management.

## ABOUT PAIN CARE LABS

Established in 2006 by emergency physician and pain researcher Amy Baxter MD, Pain Care Labs is dedicated to effective, reusable, affordable solutions to pain. The Company's award-winning solutions are based on a patented Oscillice® neuromodulation platform to give serious, simple relief. With over 75 studies establishing efficacy, Buzzy® has been used to block pain from over 37 million needle procedures. VibraCool® is an FDA-cleared device to treat myofascial pain caused by trigger points, restricted motion, and muscle tension. For more information visit [PainCareLabs.com](http://PainCareLabs.com)

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