

Device On The Market Reduces Dental Pain: New Research

Visit the dentist without pain, with Buzzy!

ATLANTA, GEORGIA, US, December 27, 2018 /EINPresswire.com/ -- News Alert: Between 9% and 15% of Americans say they avoid going to the dentist, according to the [Cleveland Clinic](#). The needle pain and fear behind good oral health are often rooted in a negative childhood experience in the dentist's chair. New research about a device created by the industry leader in local pain relief may change that.

A new [study](#) out this month demonstrates a fast, inexpensive device that is widely used for intramuscular injections in hospitals

and homes may conquer those early negative experiences. Buzzy, manufactured by Pain Care Labs, is a vibrating ice pack used in over 5,000 hospitals and clinics to physically block needle pain. Last year, the company won the prestigious Frost & Sullivan "Local Pain Relief" technology leader award. In large independent [studies](#), Buzzy has been proven equivalent to both the leading topical anesthetic and virtual reality.

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We're starting to understand the link between oral and overall health. Visiting the dentist is key to good health. This new study shows Buzzy may help patients who fear going to the dentist.”

Amy Baxter MD, CEO & Chief Medical Officer, Pain Care Labs

The study randomized sixty (60) children, aged seven (7) years old, who needed an injection on both sides of the mouth. One side got standard care, while the other side used Buzzy's cold and vibration in addition to the control protocol. Heart rate, the dentists' rating of pain on a movement scale, and the kids themselves all demonstrated significantly lower pain on the side of the mouth with Buzzy.

"Cold and vibration are potent pain relievers for adults," noted Pain Care Labs' CEO Amy Baxter MD. "This study is important because it shows that even for the hardest patient group--kids injected in a dentist's chair--Buzzy's cold and vibration works for needle pain."

Patients in the Buzzy group did significantly better in all domains: reduced discomfort; lower heart rate; lower pain score. The authors observed Buzzy to be effective in reducing discomfort and fear in children undergoing infiltration dental analgesia.

"Our Buzzy device is FDA-cleared to control pain associated with injections," says Dr. Amy Baxter. "We know dentists also use our technology to address fear. We are hopeful that studies like this one will persuade other dental professionals to add our simple, affordable, reusable device to



their existing menu of pain relief options."

About Pain Care Labs

Founded in 2006 by pediatric emergency doctor and pain researcher Amy Baxter MD FAAP FACEP, Pain Care Labs is on a mission to eliminate unnecessary pain. Using the physiologic technique of "gate control", the devices block pain by stimulating the motion nerves (like TENS units) and cold nerve feedback system. Instead of electric shocks, Pain Care Labs determined the frequency that naturally stimulates the motion nerves with comfortable vibration. Unique intense ice packs reduce inflammation and add a powerful inhibitory pain relief called Descending Noxious Inhibitory Control. The company's award-winning first device, Buzzy for Shots, created a new category of pain reliever. In 2017 the company was awarded the "Industry Leader in Local Pain Relief" from Frost & Sullivan. Buzzy is used worldwide and has blocked pain from over 31 million needles. VibraCool is used for athletic and post-operative pain. New DuoTherm Vibrating Back Pain reliever will be introduced at CES this January. See other projects and company information at <http://www.paincarelabs.com>.

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