



PainCare Labs™

BUZZY® PAIN SOLUTIONS

Let's Change Lives:
Partnering to Improve
Injection & Infusion
Experience and Adherence



Buzzy
« DRUG FREE PAIN RELIEF »

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Vision:

Eliminate Unnecessary Pain

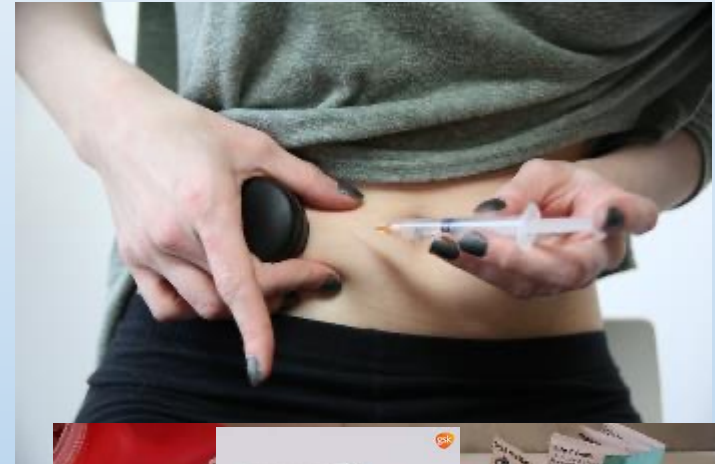
Would
You Prefer
This?



Or This?



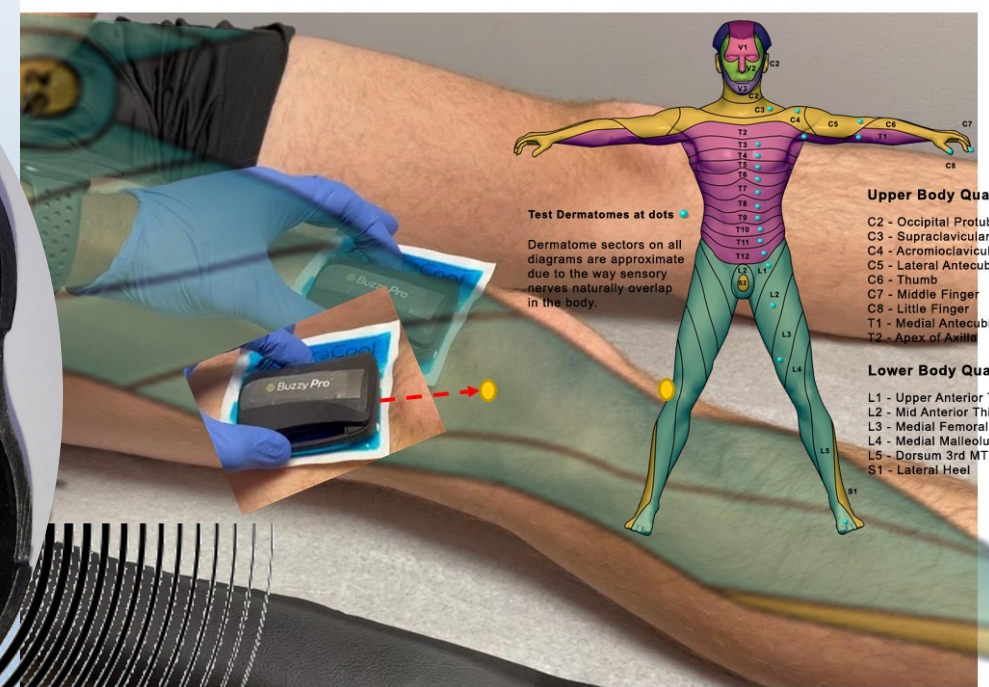
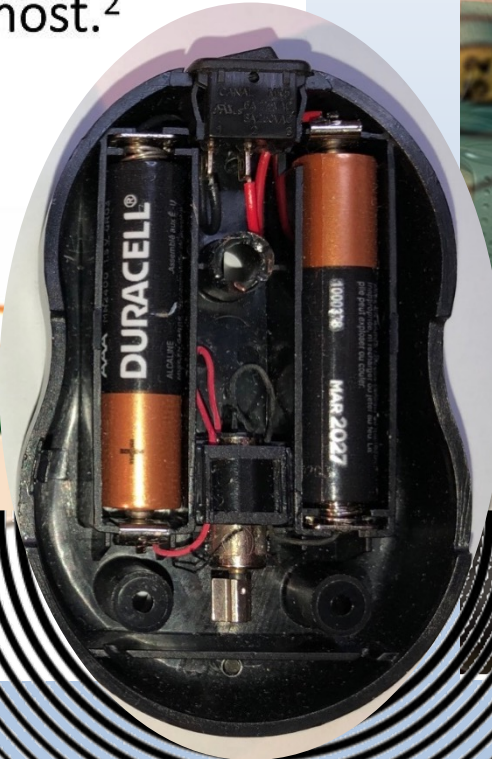
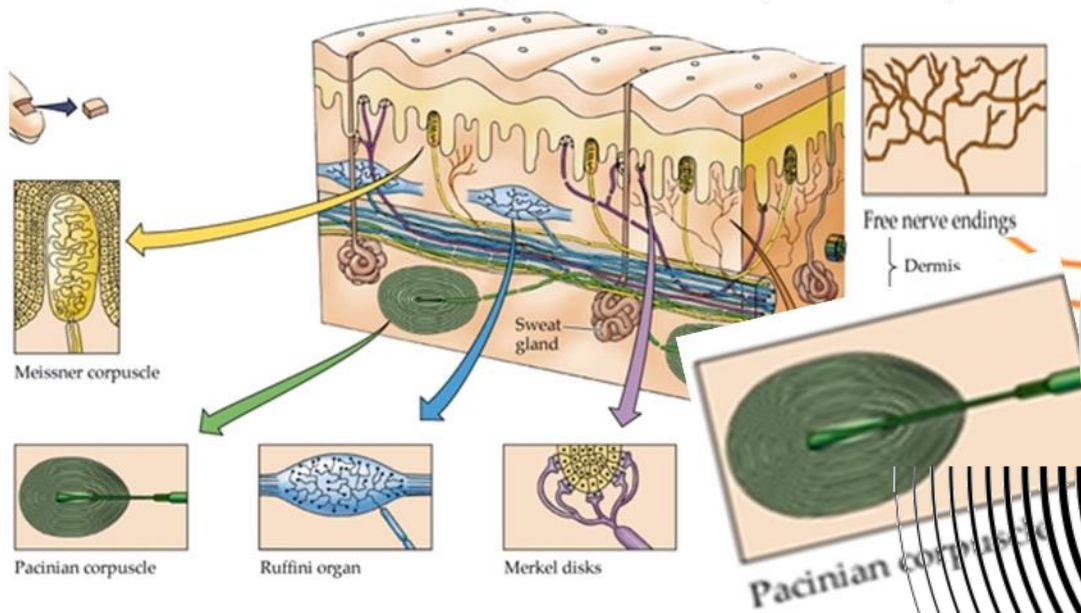

PainCare Labs[®]
DUZZY[™] PAIN SOLUTIONS



How does Buzzy Work?

1: Pain-Canceling Frequency

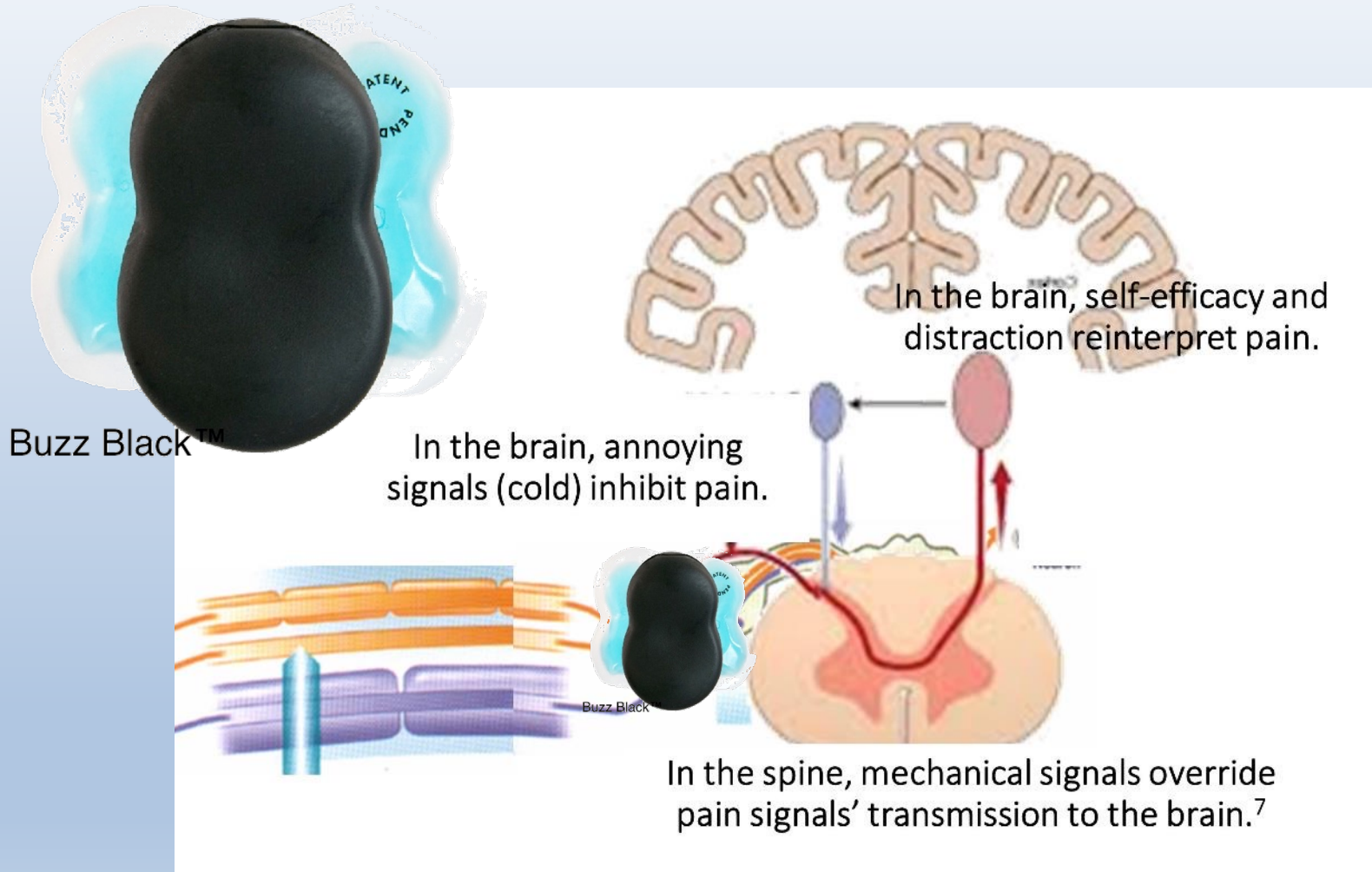
Mechanoreceptors fire at different mechanical frequency thresholds. Pacinian (180-250Hz)¹ block pain most.²



**90% of Pain Receptor
Pain Reduction**

How does Buzzy Work?

2: Ice



How does Buzzy Work?

3: Reduces Fear



How does Buzzy Work?

3: Reduces Fear



“My daughter was diagnosed at just before 2 years old with...Gaucher Disease. The treatment she receives is an enzyme replacement therapy that is done intravenously every 10 days. She uses lidocaine to numb the area before, but since her 2nd treatment and our discovery of the Buzzy, she will not proceed without her ladybug.

Because of the comfort, it has created for her, she wants to share this with other children.”

Use Cases

Over 75 Published Clinical Trials * 6 Meta-analyses



Vasovagal Blocked

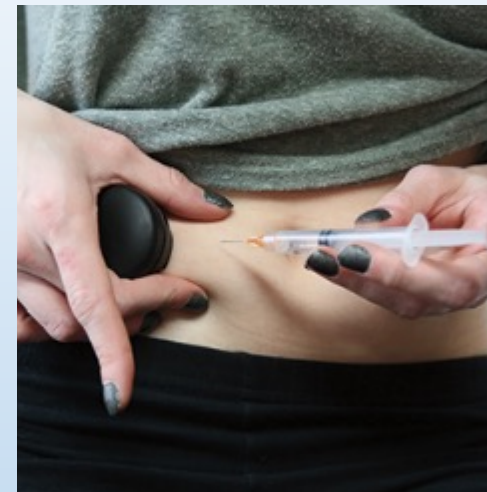
Clinical Trials.gov

0 vasovagal symptoms
in Buzzy groups; 1/10
in non-Buzzy with
lightheaded, nausea
sensations



50% Fear Reduction

Meta-analysis Ballard
et al



Biologic Injections

Improved adult injection
satisfaction Pain 74%
reduced, satisfaction 95
v. 84. $P < .001$ both
Sahin et al.



Adherence enhanced

Improved Bicillin
adherence - now on
national guidelines

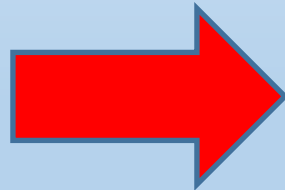
J Paediatr Child Health
2014 Feb;50(2):112-7.



Optimizing the Transition - Welcome Kit

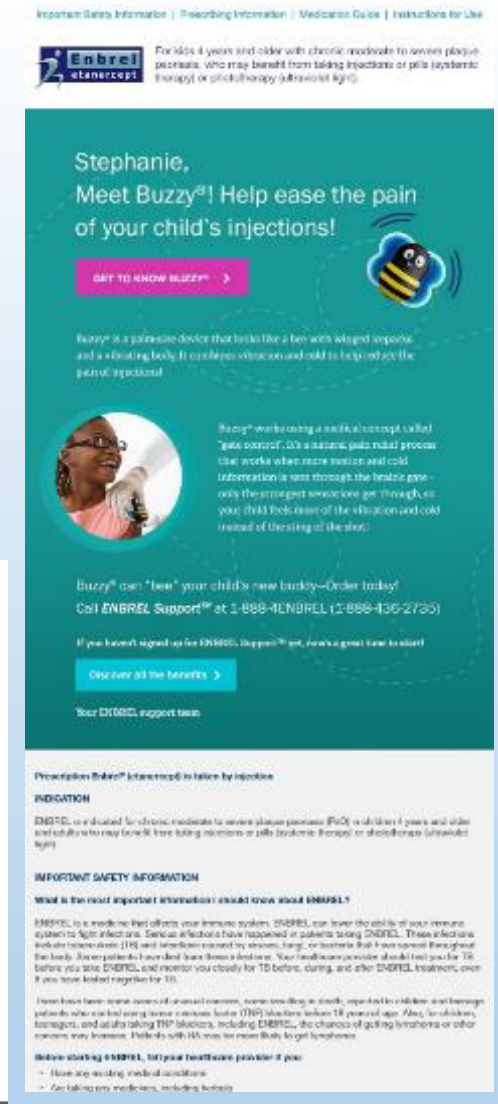
- Patients' experience is determined by confidence and first experiences.

Objective: Create positive initial patient experience by empowering them to minimize pain or fear. Make first impression warm and not medically intimidating. Reducing injection site reactions helps keep patients adherent and see results.



Partnership Approaches

- Include in Starter Kit
- Medical equipment for MDs to train
- Offer through patient support portal
- Donation to patient support groups





PainCare Labs™
BUZZY* PAIN SOLUTIONS

Thank You



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<http://www.PainCareLabs.com/>

Buzzy® Proven Most Effective for Pain AND FEAR

“Conclusion: Interventions using **coolant and vibration together**, as well as a combination of site-specific and patient-led interventions, showed the most consistent effects in reducing self-reported pain, fear or distress.”

Lee VY, Caillaud C et al. Improving vaccine-related pain, distress or fear in healthy children and adolescents—a systematic search of patient-focused interventions, Human Vaccines & Immunotherapeutics, 2018;14:11, 2737-2747



FROST & SULLIVAN
2017 Technology Leader
In Localized Pain Relief Therapy

