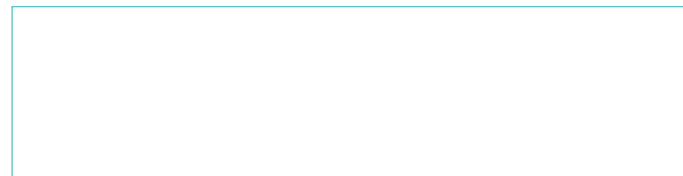


The Benefits of NeedleCalm

- developed by **nurses**
- **medication free**
- use on both **children and adults**
- use on **multiple injection sites**
- use **immediately prior** to needle insertion eliminating the need for lengthy waiting times
- when refrigerated prior to use clinical studies show that a combination of **cooling and blunt skin contacts points creates an additive effect** in activating gate control.⁴
- **a more cost-effective solution** when compared with other pain management solutions.



1. Wright, S (2009): *Fear of Needles - Nature and Prevalence in General Practice*, Australian Family Physician, 38(3), March 2009
2. Taddio et al (2012): *Survey of Prevalence of Immunization Non - Compliance due to Needle Fears in Children and Adults*. Vaccine 30. 4807 - 4812, quoted in Sakaguchi, CP (2014): *Identifying Design Opportunities through a Cultural Understanding of Medical Needle Use, Fear and Pain within the United States and Developing Nations*, Honours Thesis
3. Young KD. Pediatric procedural pain. Ann Emerg Med. 2005;45(2):160-71
4. Data on file, available on request.



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001-MA01-DOC.01-1220



Bringing calm, comfort and ease
to needle related procedures.

AVAILABLE
NOW



NeedleCalm.™



Calm patient.

Calm healthcare practitioner.



Around **1 in 5 people** have a fear of needles with this fear affecting up to **90% of the paediatric population**.^{1,2}

The Problem

- A traumatic early needle experience caused by **unmanaged procedural pain** can result in long-term physiological and psychological consequences and in severe cases lead to an extreme fear of needles that continues into adulthood.³
- Fear of needles can lead to **avoidance of critical medical treatments and procedures** including vaccinations, immunisations, pathology tests and IV infusions.
- For clinicians, **significant amounts of time** can be spent dealing with patients' anxiety and most needle-procedures with children require **additional staff** to be involved.

What is NeedleCalm?

An adhesive device that can help to relieve the pain, fear and anxiety associated with needle-related procedures including:

- **Venepuncture including pathology collection & IV cannulae insertion.**
- **Intramuscular and Subcutaneous injections**
- **Cosmetic injections**
- **Immunisations**

NeedleCalm is single-use, made of medical-grade silicone consisting of an inner layer with short, blunt skin contact points and an outer layer which when cooled, may further reduce pain.



How does NeedleCalm work?

NeedleCalm is secured to the patient's skin no more than 5cm above the anticipated site of the needle **immediately prior to the procedure**. The device applies light pressure and a mild cooling sensation to stimulate the skin at the injection site.

Based on the gate control theory of pain, the sensation produced by NeedleCalm on the skin blocks the flow of pain signals to the brain.

