

# No more needles!

## A painless patch for blood collection

Never Stand Still

NewSouth Innovations

### A safer and definitely 'less scary' way to obtain blood samples

#### The Invention

The result of this discovery would be a 'patch' to obtain blood samples instead of a syringe.

This invention primarily solves a longstanding problem of how to manufacture a patch that can draw subcutaneous fluid.

Our design introduces a network of open channels on a surface of a patch which can be produced quickly and cheaply by a process known as soft embossing.

#### Key Benefits

- Prototype has been developed
- Soft embossing is a relatively cheap method of manufacture compared to deep reactive ion etching
- Micro needle technology traditionally focuses on drug delivery. Our design however, is specifically for collection of subcutaneous fluids.
- The advantages of the patch over the hypodermic needles are:
  - painless blood collection
  - useful if there is difficult venous access, particularly infants
  - does not require a skilled operator
  - point of care diagnostic collection of blood
  - ideal for children and the elderly



This pain-free invention could revolutionise the way we take blood samples in the near future.

#### The Opportunity

UNSW is seeking a commercial partner to licence and/or to work collaboratively with the inventors in the development of this ground-breaking technology.

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