



Airglove™ is a thermal vasodilatory CE certified device designed to facilitate cannulation of the peripheral veins. It gently warms up the patients' lower arm through an inflatable double walled glove which is thermally regulated.

- ✓ Patient Safety
- ✓ Patient Comfort
- ✓ Easier Cannulation
- ✓ Saves Time
- ✓ Saves Costs
- ✓ No Cross Contamination

THE PROBLEM

There are 32,000,000 cannulations per year with 1 in 3 patients admitted into hospital having at least 1 peripheral IV cannula. This can be distressing for patients with difficult vein access (DVA) such as those receiving repeated courses of chemotherapy, PET Scans or Radiology with costs incurred:

- Throughput of patients and treatments delayed
 - Cost of re-cannulation
 - Cost of nursing time wasted
 - Poor patient experience

THE SOLUTION

Airglove achieves 87.5% 1st time cannulation in 3 minutes resulting in:

- Increase in throughput of patients
- Saving on cost of re-cannulation
 - Saving on nursing time
 - Ease of cannulation
- Patient comfort and experience



KEY FEATURES

- Portable and can be taken to any patient and fitted to an IV stand for use.
- Simple to operate with 3 heat settings 31.5°C 35.5°C 38.5°C.
- Glove fits all arms from 12+ years as glove shrinks to fit once inflated.
- Stops automatically when finished heat cycle with alarm sound.

COST SAVINGS

Total net cost savings potentially achievable with Airglove reduced Nurses' time the increased cannulation success rates*:

- Average per patient per year
£64.00
- Total cumulated over 3 years

£31.1 million

SUPPORTED BY



ECONOMIC ASSESSMENT BY





COST SAVINGS

Cost Savings* potentially achievable by the NHS using Airglove as compared to warm water immersion (WWI) to aid venous cannulation of oncology patients on systemic anti-cancer therapies (SACT) undergoing an average of 5 cycles per annum.



Value of Nurses' time potentially saved due to shorter preparatory time & higher success rates for cannulation*:

- Average per patient per year
£34.00
- Total cumulated over 3 years
£16.5 million

Value of consumables potentially saved due to higher success rates for cannulation*:

- Average per patient per year
£ 30.00
- Total cumulated over 3 years
£14.6 million

Airglove Awarded "Seal of Excellence" 18/02/19
The EU quality label for first-class innovative ideas worthy of investment.

83%

The Beatson West of Scotland Cancer Centre achieved 83% 1st time successful cannulation after 1 minute of use.

Studies undertaken to highlight the benefits of the innovation

The device has been evaluated in studies and audits in Scotland and England with Oncology patients on systemic anti-cancer therapies (SACT)

87.5%

The Maidstone & Tunbridge Wells NHS Trust Patient Service Evaluation achieved 87.5% 1st time successful cannulation after 3-minute of use.



Glasgow Caledonian University Ultrasound trial which compared Airglove to Warm Water immersion method. This showed Air-Glove™ causes statistically significant vasodilatation when compared to the WWI method.



"Airglove is so comfortable for our patients who can be difficult to cannulate with continual chemotherapy cycles. It is so efficient in just 3 minutes the patient is ready for cannulation and then their treatment can begin"
Charlotte Wadey, Macmillan Lead Chemotherapy Nurse, MTW



"I worked as a Tactical Commander to mobilise Cancer and urgent patients out of the NHS and into the private healthcare sector at the onset of Covid. It has been feasible to keep these areas as clean sites, which was necessary because this group of patients are seen as vulnerable and need shielding. Every possible quality improvement will be afforded, and this is where the Airglove is integral. Ease of cannulation, patient comfort and experience, cost savings, resource efficiencies and hygiene are all essential to safe and quality orientated care and have not diminished because of Covid-19."
Paula Tinniswood, NHS Turnaround Consultant



*Airglove for supporting vasodilation in patients where cannulation is difficult. http://www.healthcareimprovementscotland.org/our_work/technologies_and_medicines/topics_assessed/imto_02-19.aspx

*Scales, K., 2005. Vascular access: a guide to peripheral venous cannulation. Nursing standard: official newspaper of the Royal College of Nursing, 19(49), pp.48-52.

*Comfort, P. & device., W., Service Evaluation of the AirGlove Patient Warming Device. <http://www.greencrossmedico.com/wp-content/uploads/2018/01/Patient-Evaluation-Final-Report-030118-1.pdf>.