

Wound Healing

Jgeko" geko"

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Providing increased blood circulation to promote wound healing naturally from the inside





Increased blood circulation generates a natural healing response

- Chronic wounds, including venous, arterial and diabetic ulcers often have impaired blood flow^{1,2}
- Non-healing venous ulcers correlate with impairment of the calf muscle pumps^{3,4,5}
- There is evidence that improved blood circulation results in improved wound healing^{6,7,13}
- Increasing blood circulation increases Transcutaneous Oxygen Tension (TCpO2)⁸ which is a predictor of tissue viability and ischemic wound healing⁹
- The geko[™] device increases venous, arterial and microcirculatory blood flow in the lower limbs ^{10,15,16} reduces oedema¹¹ and maintains TCpO2 – promoting conditions favourable for wound healing^{13,16}

There is a high incidence of chronic wounds¹²

The geko[™] device, as an adjunctive therapy, is appropriate when:

- A wound has healed less than 30% in 4 weeks of care
- Compression cannot be tolerated or is contraindicated

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- Patient has a fixed ankle joint or poor ankle flexion
- · Lower limb muscle pumps are impaired or inactive
- Oedema management has been a factor in healing
- Wound, ischemia and oedema may be the underlying cause of pain
- Patient has an increased risk of Venous Thromboembolism

How it works

The geko[™] device **stimulates** the common peroneal nerve **activating** the calf and foot muscle pumps, increasing venous, arterial and microcirculatory blood flow.^{10,15,16}

The increase in blood flow is similar to that achieved by walking, up to 60%.¹⁰



Small, light and comfortable to wear, the self-contained, battery powered geko[™] device:

- Has no wires or leads no tripping hazard
- Weighs just 10g
- Is easy and quick to fit
- Silent operation

Evidence¹⁴

Where patients had adhered to the geko[™] device treatment plan and severe infection was not present, healing was observed.

HNHB CCAC – 10 year non-healing venous leg ulcer







5 months, 1 week



Wound closed 10 months, 5 days



Prior to treatment



One month, 4 days



Wound closed at 3 months

Erie St. Clair CCAC - 6.5 months non-healing venous leg ulcer



Prior to treatment



2 weeks, 1 day



Wound closed, 18 days

HNHB CCAC - 1 month non-healing diabetic traumatic foot wound



Increased blood circulation promotes wound healing from the inside

Self-contained and wearable, the geko[™] device is:

- Simple and easy to use¹⁴
- Small and light (weighing just 10g) with no leads, or wires enables the patient to be as mobile as possible

Further information available at: www.gekodevices.com

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Firstkind Ltd | Hawk House | Peregrine Business Park High Wycombe | Buckinghamshire | HP13 7DL United Kingdom T: +44 (0) 845 2222 921

www.gekodevices.com



