Transforming Chronic Wound Healing: Efficacy of Vaporox in Complex Cases

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Introduction

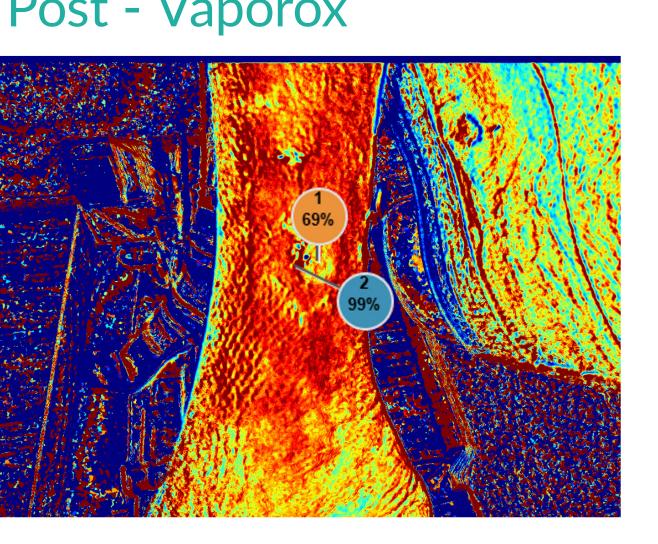
- Vaporox therapy combines hydrating vapor with concentrated oxygen
- Aims to enhance healing through multiple biological mechanisms
- Shown to support collagen sythesis, angiogenesis, and reduce inflammation
- May be especially beneficial in chronic, hard-to-heal wounds

Results

- Patients A and B saw a 1.21x and 1.25x increase in oxygenation from baseline
- Longitudinal trends show sustained improvement
- No signs of infection noted by thermography
- Early signs of healing and analgesic effects observed

Pre - Vaporox

Post - Vaporox



The Next Generation of Advanced Wound Care

"A single Vaporox session led to a 125% increase in tissue oxygenation—an immediate and measurable improvement."

-Dr. Glenn, MD, FACS

Methods

- Case series of 2 patients with chronic lower extremity wounds
- Patients received Vaporox 2-3 times per week alongside standard wound
- Progress monitored using NIRS and thermography
- Outcomes included wound size, increased oxygenation, and pain reduction
- Follow-up duration: up to 9 weeks

Discussion/Conclusion

Vaporox (Vaporox Inc., Denver, CO) therapy shows strong promise as an adjunctive treatment for chronic wounds, particularly in cases unresponsive to conventional care. Clinical improvements—including increased tissue oxygenation, reduced pain, early healing, and absence of infection—may be driven by underlying mechanisms such as nitric oxide activity, angiogenesis, and reduced inflammation.

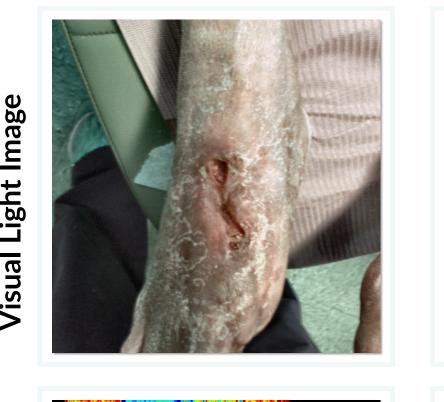
Wagner 1, 6-week-old DFU, Ongoing Background **Patient A Information** Comorbidities

Female

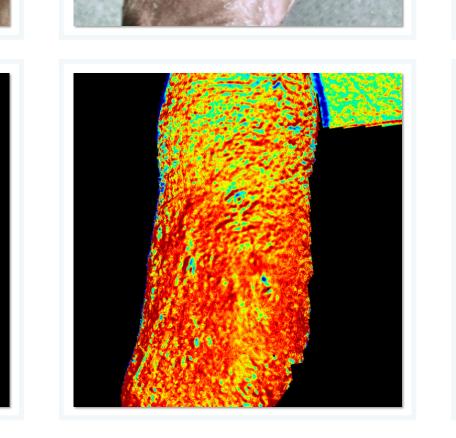
Age: 83

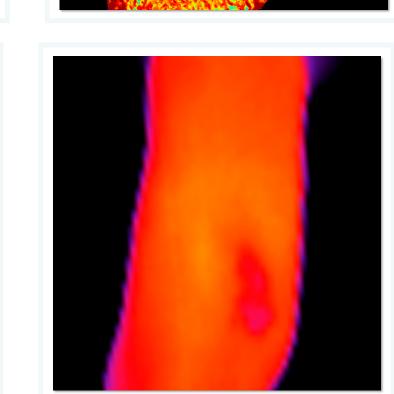
Fall Risk Diabetes melitus

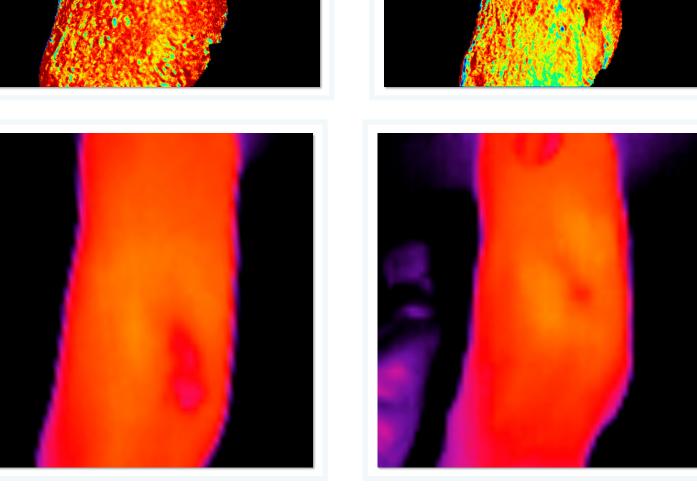
Peripheral neuropathy
 History of toe amputations

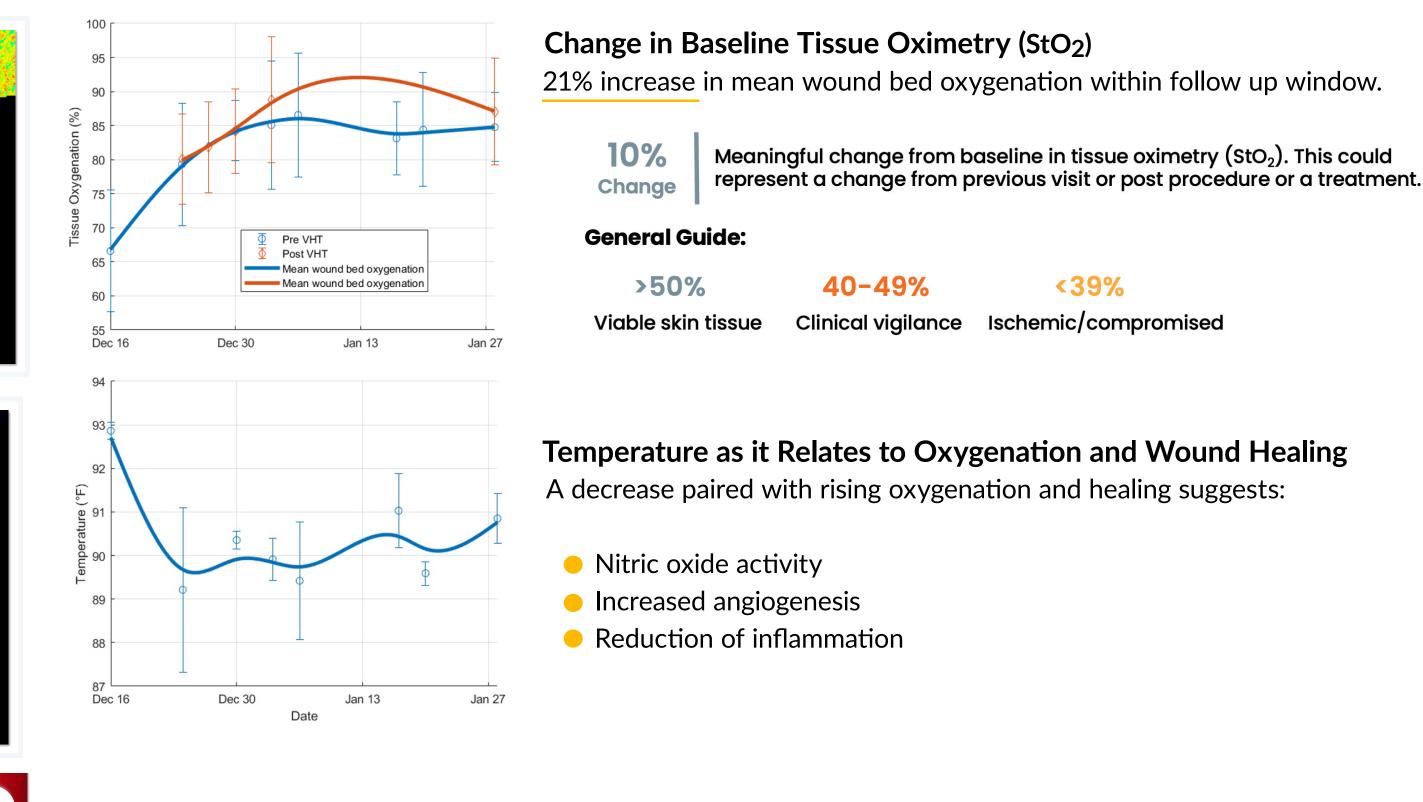












15-month-old Venus Statis Ulcer, Ongoing Background

Patient B Information

Age: 69

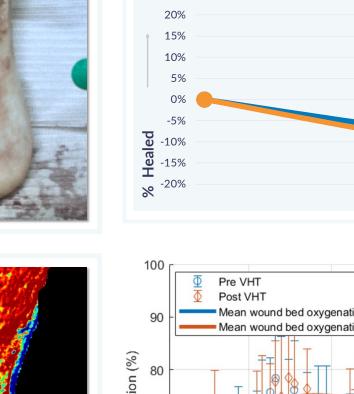
Female

Comorbidities

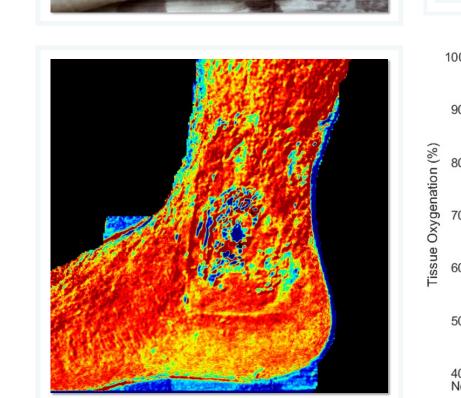
- History of Vasculitis ulcer
 Musculosketal joint/muscle pain
- Chronic pain syndrome Essential hypertension

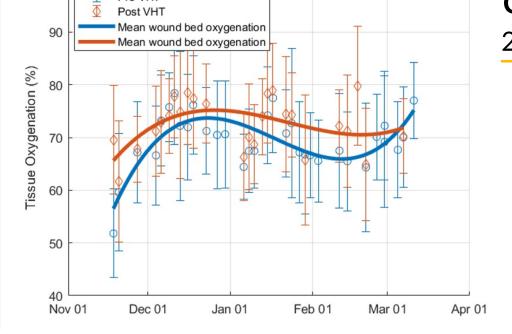


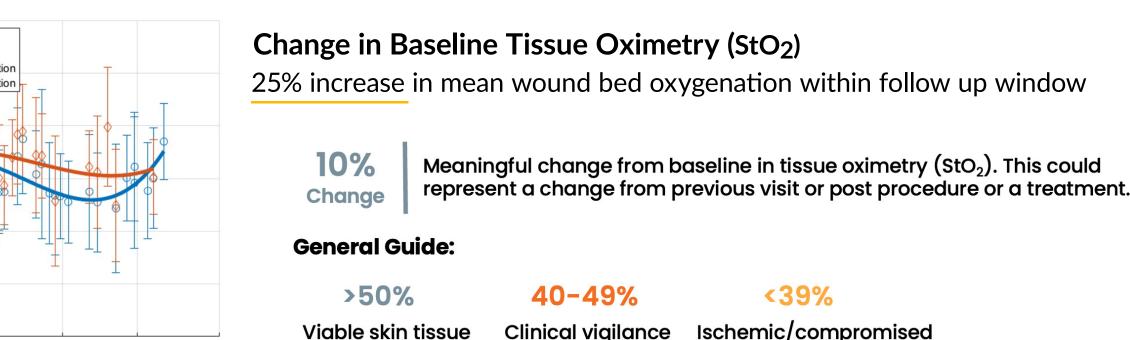


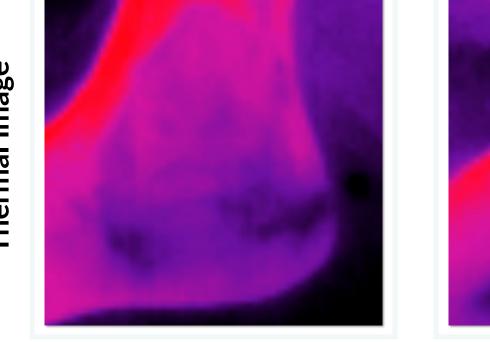


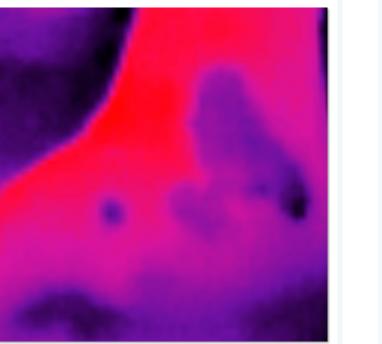


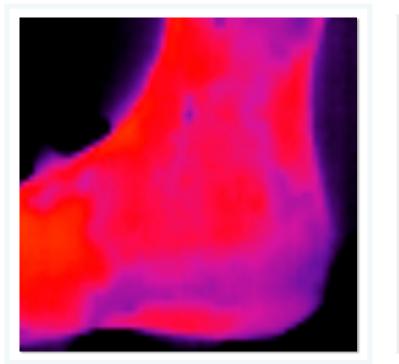


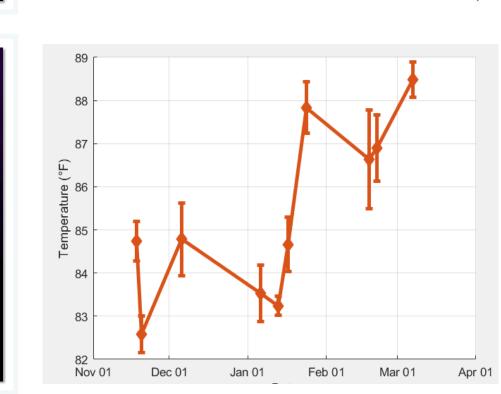












Temperature as it Relates to Oxygenation and Wound Healing A decrease in temperature paired with rising oxygenation and healing

Nitric oxide activity Reduction of inflammation



