

# Adjunctive therapy accelerates wound healing in patient with non-healing DFU of 12 months

Case study utilizes bio-electro neuromodulation technology (in-clinic and at-home) for four weeks. Achieves 93% reduction in wound size, 57% improvement in tissue oxygenation (O2SAT) and avoids major surgery.<sup>1</sup>



## Case Study – Plantar DFU

Brian Lepow, DPM • Bijan Najafi, PhD, MSc – Baylor College of Medicine and iCAMP



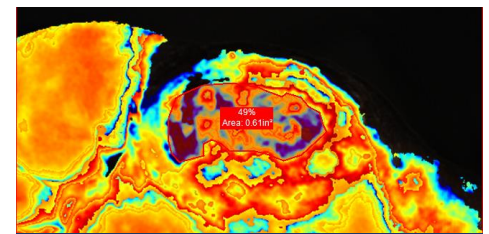
Pre-Treatment Baseline

**Area:** 5.4cm<sup>2</sup>  
**Perimeter:** 130mm  
**Length:** 37mm  
**Width:** 21mm  
**Max Depth:** 0mm

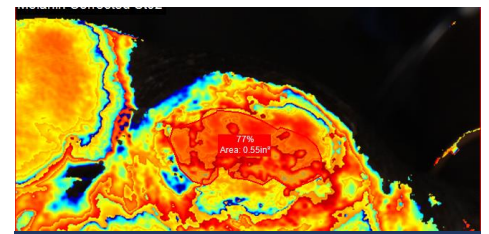


Post 4-Week Treatment

**Area:** 0.4cm<sup>2</sup>  
**Perimeter:** 41mm  
**Length:** 14mm  
**Width:** 4mm  
**Max Depth:** 1mm



Pre-Treatment Baseline



Post 30-min. Treatment (in clinic)

<sup>1</sup> Study registration: ClinicalTrials.gov Identifier: NCT03821675



# Accelerating wound healing with bio-electro neuromodulation



*“Accelerated wound healing is key to improving outcomes for diabetic patients. We are collaborating with Avazzia in the fight to prevent amputations and improve the lives of people suffering with diabetic foot ulcers and chronic, non-healing wounds.”*

Brian D. Lepow, DPM  
Assistant Professor, Division of Vascular Surgery and Endovascular Therapy  
Michael E. DeBakey Department of Surgery  
Baylor College of Medicine



*“It isn’t easy. With neuropathy and pain, circulation and falls are quite complex. Contradicting conditions require careful and objective monitoring of continual changes. We are making progress in wearable technologies to address these challenges.”*

Bijan Najafi, PhD, MSc  
Professor of Surgery; Director of Clinical Research, Division of Vascular Surgery and Endovascular Therapy  
Baylor College of Medicine

## BIO-ELECTRO NEUROMODULATION

The Tennant Biomodulator™ Plus device is FDA-cleared for pain relief. The non-invasive, portable HVPC devices utilize the same microcurrent Bio-Electric Stimulation Technology (B.E.S.T.) platform with various frequency selections.

- Complex waveform incorporates high-voltage, pulsed, damped, biphasic sinusoidal microcurrent.
- Sophisticated frequency patterns in preprogrammed modes reduce accommodation and maximize energy transfer without increasing power levels.
- The output waveform shape constantly changes - corresponding to the change in the tissue’s response. This results from the stimulation cybernetic loop created between Avazzia’s device and the tissue.
- Convenient and cost-effective; no conductive solution is required.

Interim study results presented by Bijan Najafi, PhD, MSc at DFCON 2019.

© 2019 Avazzia, Inc. All rights reserved. CSR-190926-01A

