

AN INNOVATIVE APPROACH TO MANAGE PAIN AND STIMULATE HEALING IN ARTERIAL ULCERS USING ELECTRICAL STIMULATION THERAPY

Arterial ulcers are notoriously difficult to heal, despite vascular interventions, with pain being a major factor affecting quality of life. Many patients with arterial ulcers experience non-healing and risk of amputation.

This case study was undertaken to demonstrate the effectiveness of applying Accel-Heal on pain and wound healing for a patient with a complex, long-standing, painful arterial leg ulcer.



- 84-year old female
- Arterial ulcer of 3-years duration
- 2 x 1.7 cm
- Wound infection
- Severe pain (8/10 VAS) requiring regular analgesia
- Failed topical antimicrobials dressings

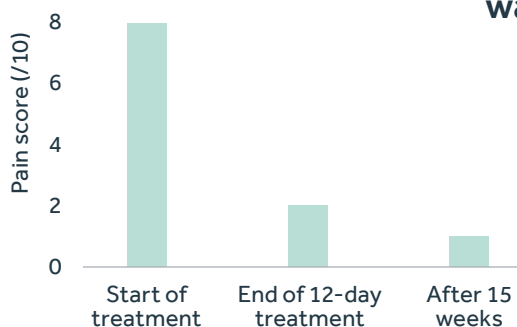
Previous procedures:

- Graft procedures with only partial success
- Several previous debridements
- 10 revascularisation procedures including angioplasties and arterial stents in common femoral and peroneal arteries.
- Recurrent restenosis despite warfarin therapy

Quality of wound bed improved



Pain was reduced:



Complete healing was achieved:



Conclusion and interpretation: Prior to treatment with Accel-Heal, the patient had been very distressed by the wound pain and the need for long-term, long-acting narcotic analgesia. She was struggling to cope at home with managing the wound, pain medication and dressing regime. She expressed profound relief at achieving a healed wound after living with the ulcer for so many years.

The clinical team were delighted to see this long-term wound remaining healed. Application of an easily operated, wearable and pre-programmed EST device can reduce pain and stimulate wound healing for this patient group, particularly if conservative approaches are the mainstay of treatment.

[VIEW THIS ARTICLE ONLINE>](#)

[VIEW ACCEL HEAL PRODUCT INFO>](#)