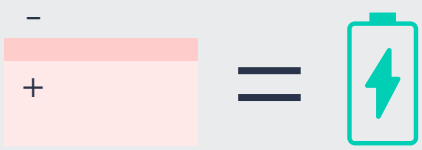
ELECTRICAL STIMULATION THERAPY AND ELECTROCEUTICAL TREATMENT FOR THE MANAGEMENT OF VENOUS LEG ULCERS

Accel Heal
ELECTRICAL STIMULATION WOUND THERAPY

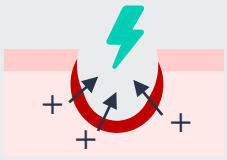
This review describes the role of electrical signalling in wound healing and how **electrical stimulation (ES)** can stimulate a stalled wound.

ELECTRICAL SIGNALLING IN WOUNDS:

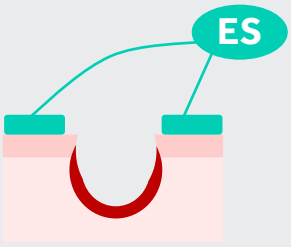
"Human physiology is electrochemical in nature."
Voltage flows along with charged ions from positive (+) to negative (-).



Intact skin acts as a battery



Wounded skin has a small electrical current. This dissipates as a wound becomes chronic



Application of ES can replace this "current of injury" to stimulate healing

CASE STUDY

- 80 year old male
- Recurring venous leg ulcer (VLU)
- Pain managed with strong analgesics
- Compression not tolerated

Accel-Heal® was applied for 12-days

Reduced pain | Reduced exudate | Reduced inflammation

The patient became able to tolerate compression bandaging and the wound went on to heal

The benefits of using electrical stimulation therapy alongside the patient's standard therapy are well researched. Clinicians are recommended to consider the use of innovative technologies such as electrical stimulation to enhance care of patients with chronic wounds. Treatments need to be patient focused, accessible and easy to use allowing patient involvement and improving quality of life.

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