

EP068

EASE OF USE OF WEARABLE, SINGLE-USE ELECTRICAL STIMULATION DEVICE FOR THE MANAGEMENT OF HARD-TO-HEAL WOUNDS

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This work has been supported by Accel-Heal Technologies Limited and B Braun

BACKGROUND AIMS

- Electrical stimulation (ES) has been shown to promote wound healing and pain reduction in hard-to-heal wounds.
- Traditional ES devices have proved difficult to use in everyday practice; this has limited adoption of the technology.
- A wearable, single-use electrical stimulation device* has been designed as an active intervention to promote healing and reduce pain in complex wounds.
- It has proved effective in previous clinical studies on leg ulcers to stimulate healing¹ and reduce pain^{1,2}.

AIMS

This evaluation aimed to demonstrate the ease of use of a single-use, wearable ES device* in 3 different countries.

STUDY DESIGN

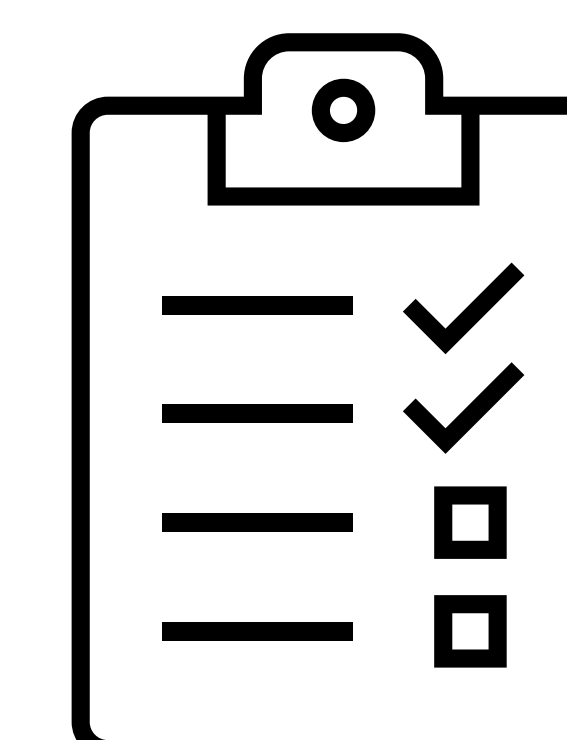
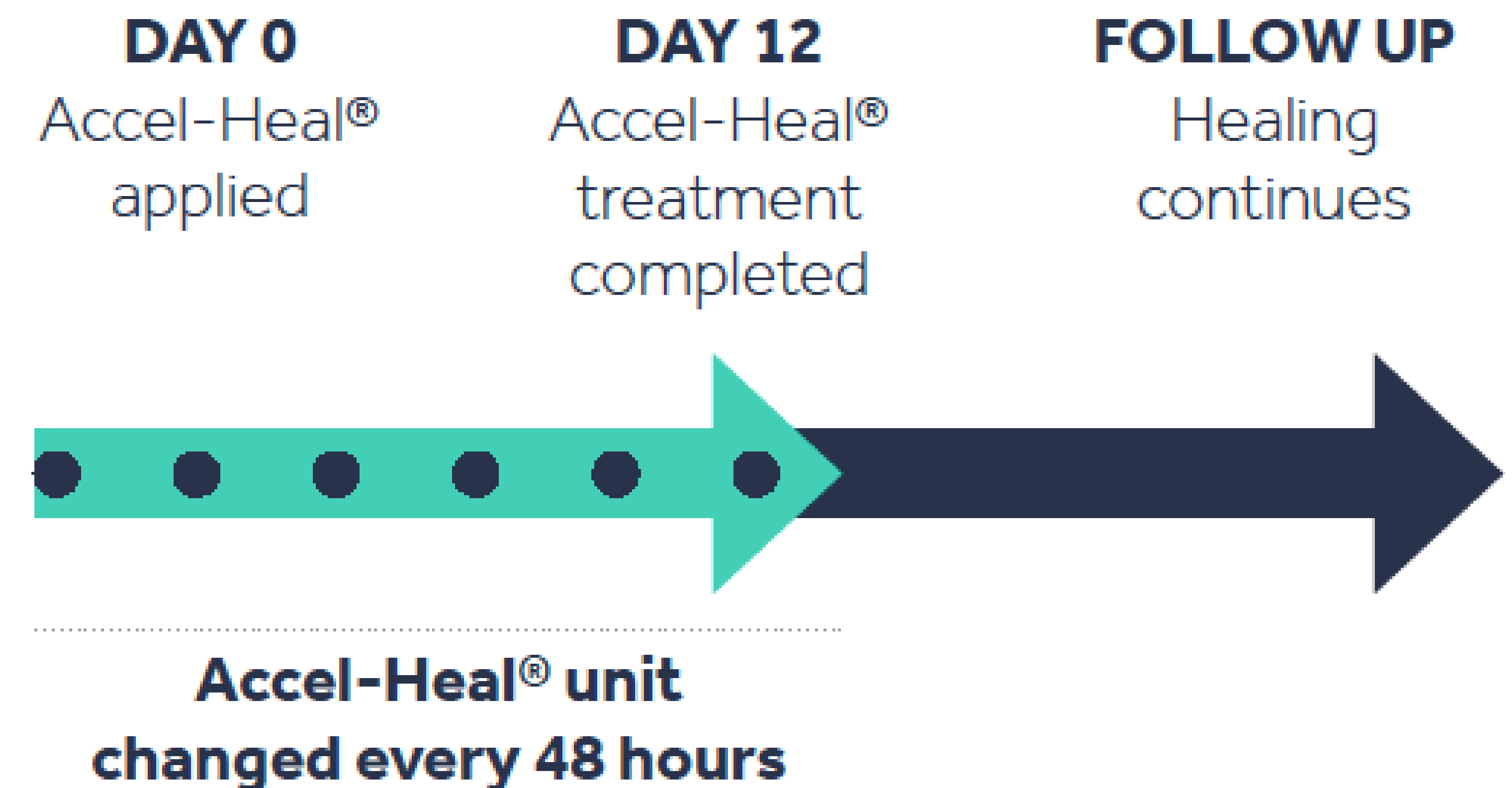
Fifteen patients with hard-to-heal wounds, with ES* for a 12-day treatment period.

Electrode pads were positioned either side of the wound and were connected to a small electronic device which was changed every 48-hours.

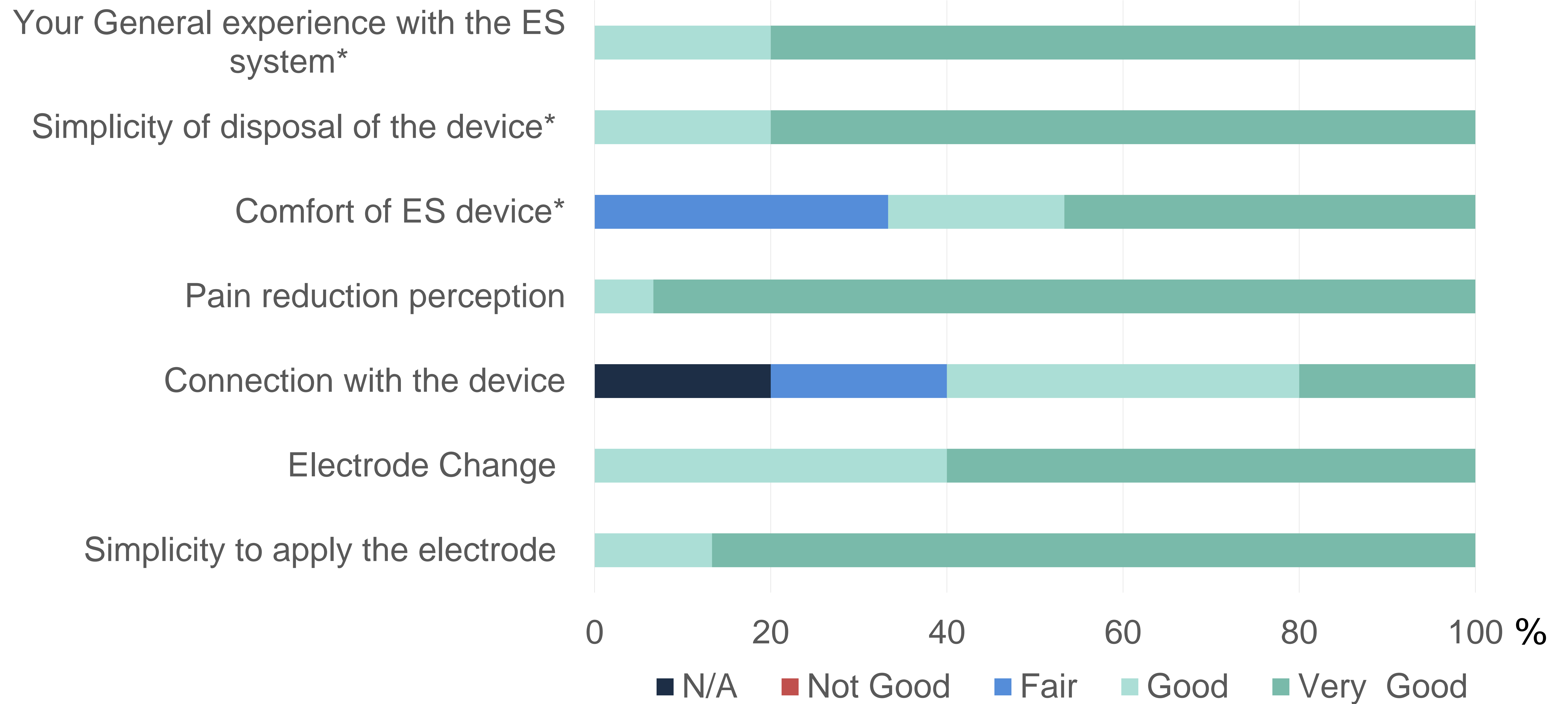
The healthcare practitioner's (HCP) experience with each patient's treatment was evaluated, via a questionnaire.



- N=15 patients with a hard-to-heal wound
- Attending an outpatient clinic



RESULTS



Clinicians were highly satisfied with the ES device

*Accel-Heal, Accel-heal Technologies Limited, Kent, UK

OBSERVATIONS AND FUTURE USE

- The ES device* was easy to apply and manage in outpatient settings.
- HCPs were highly satisfied with its use.
- This device may enable HCPs to adopt an evidence-based technology (ES) that has previously been difficult to implement.