

## PCR 8

### Wound Healing with the use of KFH Novo. Case Report

J Vere, EB Jude

Tameside Hospital NHS Foundation Trust, Ashton under Lyne, Lancs, UK

A 56 year old male with a history of Type 2 Diabetes, CKD stage 5 requiring dialysis, retinopathy, Ischemic heart disease and peripheral neuropathy presented with 2 ulcers present on the left posterior heel and left posterior leg of over 12 months duration. They had previously been infected and despite clearing of the infection and several interventions such as IV antibiotics, larvae therapy and off loading had failed to heal and were static in nature. The patient reported a lot of pain near the wound site and it was decided to try the KFH Novo.

The KFH Novo is a hand held medical device which delivers a specific form of bio-stimulation, known as micro current. Documented benefits include an increase in ATP and an increased synthesis of proteins.

The first electrode was placed on the thigh and the second electrode distal to the ulcer on the dorsum of the foot, to promote migration of healthy cells into the wound bed. The machine was used for 1 hour twice a day.

Before treatment the wounds measured 25 x 35 mm and 15 x 12 mm respectively. Over the next 6 weeks the patient was seen weekly and the electrodes applied as above. Each set of electrodes were changed twice a week. After 6 weeks of use the wounds were dry, superficial and measured 12 x 4 mm and 9 x 5 mm respectively which represents a 50% reduction in size and no further episodes of infection were seen. Progress will be continue to be monitored.

Therefore the KFH Novo could be a suitable device to facilitate wound healing and randomised control trials are necessary to demonstrate benefit in healing diabetic foot ulcers.

