Case Study

Single application of dCELL® Human Dermis for treatment-resistant venous ulcer

- 92 year old female [1]
- Lower limb 8cm² venous ulcer
- Extant for 18 months

Week 0

Week 2

Week 10

Graft applied
Single-stage application of a novel decellularized dermis for treatment-resistant lower limb ulcers: Positive outcomes assessed by SIAscopy, laser perfusion, and 3D imaging, with sequential timed histological analysis. Nicholas S. Greaves, MBChB; Brian Benatar, FRCpath; Mohamed Baguneid, MD; Ardeshir Bayat, MBBS, PhD. Wound Repair Regen. 2013 Oct; 21(6): 813–822.

Punch biopsy taken 6 weeks after DCD graft application.

Recolonisation of DCD with fibroblasts.

Regeneration of the epidermis.

Formation of new blood vessels.

Plot of mean changes in surface area from baseline in 20 donors, with 95% confidence intervals. *p ≤ 0.05

Reference

1 Single-stage application of a novel decellularized dermis for treatment-resistant lower limb ulcers: Positive outcomes assessed by SIAscopy, laser perfusion, and 3D imaging, with sequential timed histological analysis. Nicholas S. Greaves, MBChB; Brian Benatar, FRCpath; Mohamed Baguneid, MD; Ardeshir Bayat, MBBS, PhD. Wound Repair Regen. 2013 Oct; 21(6): 813–822.