

## Introduction

Split-skin grafting is used by surgeons to close skin defects following trauma, ulcers or deep burns. Although created under controlled, sterile conditions, DSWs can be a considerable burden during the healing process.

SpinCare™ creates on-the-spot, fully tailored nanofibrous dressing using electrospinning technology, for any wound shape and contour; mimicking the extracellular matrix serving as an excellent medium for tissue repair and healing.

## Patient History

EYR, 58 year old male with medical history of dyslipidemia and diabetes mellitus type 2. Underwent a surgical excision of massive Squamous Cell Carcinoma (SCC) on the buttocks which required skin graft transplantation.

## Skin Graft Procedure

A skin graft of 170 cm<sup>2</sup> in area and 0.3 mm depth was harvested. The donor site wound was treated with epinephrine-soaked gauze in preparation for the dressing.

## Treatment

SpinCare™ primary dressing was applied to the donor site wound yielding a white nanofibrous dressing with excellent coverage and full adherence to wound surface. A secondary dressing was applied on top of the primary dressing.

## Case Results

The SpinCare™ dressing was left on the wound until peeled off on its own when the tissue underneath epithelialized. The primary dressing showed excellent adherence to the wound throughout the healing period with transparency that allowed wound evaluation without removal. No reports of infection. Patient follow up will continue for 12 months.

## Conclusions

The wound demonstrated a good healing process. The SpinCare™ dressing served as a temporary skin and supported wound epithelialization underneath the dressing within 14 days.

