

Introduction

According to the latest report from the World Health Organization, an estimated 265,000 deaths occur every year as a direct result of burn injuries. The majority of burns are 2nd degree burns, affecting the epidermis and the superficial parts of the dermis, requiring a well-orchestrated, complex healing process. Various skin substitutes and dressings offer potential advantages over traditional treatments. Nevertheless, the search for an ideal skin substitute still continues.

SpinCare™ offers a fully individualized, patient-tailored, bedside created nano-fibrous dressing, with no-contact between patient and caregiver, thus minimizing the risk for infection.

Patient History & Treatment

GA, 18Y old male with no previous medical history arrived at the Emergency Room with a 2nd degree superficial to intermediate burn 10% TBSA after spilling boiling coffee over his left shoulder, neck and torso.

The vesicles' roof had been removed, the burn wound was cleaned with saline and SpinCare™ dressing was applied. Good adherence to this complex geometry and burn location was observed. Kerlix was used as a secondary dressing for the first two days, afterwards no secondary dressing was applied. Patient was released from hospital on day 3. He was instructed to take showers as necessary and allow the SpinCare™ dressing to peel off by itself.

Case Results

On day 7 the healing of the burn is complete; most of the dressing was peeled off easily while the patient was taking showers.

The patient reported pain at the burn site upon arrival in the ER of level 3 on VAS scale. After applying SpinCare™ dressing the reported pain level was reduced to 0.

Conclusions

Medium size burn wounds on relatively complex body contour are easily treated with SpinCare™ offering both patient and caregiver a rapid and minimally painful option for treatment, resulting in a quick and effective healing process. The advantage of a no-touch dressing is shown here not only in preventing infections but also in reducing dressing associated pain. The transparency of the dressing enables good follow up of the healing process.

