spincare™

Change lives, not dressings.

Case Report 2

Using the Spincare™ System in Partial Thickness Burns.

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Introduction

Over 30,000 people suffer new burns worldwide every day that are severe enough to warrant medical attention, reflecting an estimated 11 million new burns each year globally[1]. The majority of burns are considered to be partial thickness skin wounds, 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 treatment continues.

Spincare offers a fully personalized, patient- tailored, nano- fibrous transient skin-like layer with no-contact between patient and caregiver, thus minimizing the risk for infection and cross contamination.

Patient's History & Treatment

GA, 18Y old male with no previous medical history arrived at the Emergency Room (ER) with a partial thickness superficial to intermediate burn (10% TBSA) after spilling boiling coffee over his left shoulder, neck and torso. The blister roof had been removed, the burn wound was cleaned with saline and the Spincare skin-like layer was applied. Excellent 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 normal and allow the Spincare layer to peel off by itself as his own skin was regenerated underneath.

Case Results

On day 7 the healing of the burn was completed; most of the Spincare transient skin-like layer peeled off easily while the patient was taking his showers. The patient reported pain at the burn site upon arrival to the ER (level 3 on VAS scale). After applying the Spincare layer 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 transient skin-like layer is demonstrated here not only in preventing infections but also in reducing dressing associated pain. The transparency of the Spincare layer enables good follow up of the healing process.



[1]World Health Organization: WHO EESC Global Database. www.who.int/mediacentre/factsheets/fs365/en/.

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