

Change lives, not dressings.

Case Report 3

Using the Spincare™ for Chronic Wounds

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Introduction

Chronic wounds are a health problem that have severe outcomes for patients and contribute major costs to healthcare system. They are a major public health challenge and in most Western countries, it has been estimated that 1-2% of the population will experience a chronic wound during their lifetime. In the United States alone, they affect over 8 million patients costing between \$28-\$31B. Chronic wounds make it difficult for patients to accomplish their daily routine as it limits one's mobility and quality of life. Incorrect wound care treatment can result in an increased economic impact on the healthcare system and significantly affect the health of a patient.

Spincare creates an on-the-spot, fully tailored nanofibrous personalized matrix for any wound shape and contour using electrospinning technology, which structurally mimics the extracellular matrix, serving as an excellent medium for tissue repair and healing.

Patient's History & Treatment

84 years old female, chronic wound, dialysis patient, on multiple medications, and background diseases. In 2017 reported chronic pain in her right foot that developed charcot neuroarthropathy resulting in a non-healing wound of 1.5 x 1.5 cm in size with a large amount of exudate. Use of moist healing traditional therapies failed as well as most other remedies as well.

In July 2020, the patient was treated with the Spincare System. The Spincare's matrix was easily applied on the wound, produced negligible disruption to routine behavior, and the patient could shower after 48 hours.

Case Results

The Spincare matrix demonstrated excellent adherence to the wound throughout the healing period. Its transparency permitted wound evaluation on a weekly basis by the physician. The Spincare matrix tolerated unrestricted movement whereas traditional bandages would have restricted it.

Conclusions

After 41 days, there was an impressive improvement to the wound and within 2 months there was a complete closure, and the foot showed no additional indications of redness or ulceration. There was a substantial reduction of the wound size and full return to health with only one application of the Spincare. With the use of the Spincare System, the health system saved expenses of treatments while the patient's quality of life improved drastically as she did not have to return to the clinic to have the wound cleaned and re-dressed.

