Use of a Foam Dressing with a Unique Spoke-Shaped Delivery System* on Pressure Ulcers of the Heel and Elbow


Introduction

Applying dressings to healing and other ulcers in a clinical challenge. Most absorbent dressings are cumbersome to apply and require special cutting and overlapping protocols, which can be confusing to caregivers. Often dressing edges are rendered with adhesive tape or transparent dressings to prevent leakage and exudate draining near the wound. A foam dressing with a unique spoke-shaped delivery system overcomes these dressing design limitations. The dressing is constructed from a conformable polyurethane foam pad, an additional absorbent nonwoven layer, and a layer of transparent adhesive film. The film is moisture vapor permeable, which helps to promote wound healing and aids in a barrier to occlude contamination. It is designed to allow easy, one-handed application to difficult body contours including heels and elbows.

Advantages of the Foam Adhesive Dressing* with Easy Spoke Delivery

- Caregiver Friendly
  - Unique spoke design allows for fast, one-handed application to difficult body contours including heels and elbows.
  - Eliminates the need for cutting and punching.
  - Nonadhesive tip prevents sticking to gloves.

- Absorber & Adhesive
  - Polyurethane foam provides rapid absorption of wound fluid away from the wound, reducing the risk of pooling and skin maceration.
  - Transparent adhesive film.
  - Spoke design allows for conforming to body contours.
  - Unique adhesive design is designed to perform under both dry and moist (e.g., diaphoretic) skin conditions.
  - Eliminates need for additional wound dressings or supplies such as tape, scissors or transparent dressings.
  - Moisture vapor permeable for Trauma Skin Management.
  - Prevents fluid leak-through.
  - Barrier to outside contaminants.

Objective

The objective of this study was to evaluate the clinical performance of an adhesive foam dressing* with a spoke-shaped delivery system in treatment of heel and elbow wounds. Three of the nine enrolled patients are presented in case studies.

Case Study #1

Patient History

A 77-year-old male presented with a stage III pressure ulcer of approximately 6 months duration on the heel. The wound was previously managed without surgical intervention and was treated with a silver mead dressing* covered with a transparent nonadhesive dressing. Following resolution of the suspected underlying infection, treatment of the wound was switched to the adhesive foam dressing.

Wound Condition

- Ulcer Area: 4.0 cm²
- Epithelialisation: None
- Drainage: Moderate & Serous
- Maceration: None
- Undermining: None
- Necrotic Tissue: 28% - 50%
- Granulation Tissue: 20% - 50%

Case Study #2

Patient History

A 75-year-old female presented with a stage III pressure ulcer of approximately 6 months duration on the heel. The wound was previously managed with being colonized and was treated with a silver mead dressing* covered with a transparent nonadhesive dressing. Following resolution of the suspected underlying infection, treatment of the wound was switched to the foam dressing.

Wound Condition

- Ulcer Area: 2.9 cm²
- Epithelialisation: None
- Drainage: Moderate & Serous
- Maceration: None
- Undermining: None
- Necrotic Tissue: None
- Granulation Tissue: 70% - 100%

Case Study #3

Patient History

A 78-year-old male presented with a stage III pressure ulcer on his left elbow. The wound was previously managed with near-gauze dressing. Wound closure occurred by the week 2 study visit.

Wound Condition

- Ulcer Area: 1.4 cm²
- Epithelialisation: None
- Drainage: Moderate & Serous
- Maceration: None
- Undermining: None
- Necrotic Tissue: None
- Granulation Tissue: 90% - 100%

Wound Condition

- Ulcer Area: Healed
- Epithelialisation: None
- Drainage: Absent
- Maceration: None
- Undermining: None
- Necrotic Tissue: None
- Granulation Tissue: None/Healed

Dressing Performance

All dressing performance evaluations were rated as “very good.” The patient rated the dressing as high on his home and liked that the foam dressing decreased the need for his daughter to do multiple dressing changes.

Conclusions

This foam dressing with a unique spoke-shaped delivery system performed well in this nine-patient case study series.

- The vast majority of clinician assessments of dressing performance were “good” or “very good.”
- Eight of the nine patients showed improvement in wound size and condition during this 8-week study.
- Four of the patients healed completely and only one patient remained unchanged.
- The dressing performed well on the heel and elbow wounds enrolled into the study.

* Trademarked™ Foam Adhesive Dressing

** Trademarked™ Ap Exam Dressing or H. Silver

*** Trademarked™ Transport™ Dressing

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