Evaluation Of A Foam Dressing With A New Soft Adherent Layer

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Introduction

Biatain, a well-known foam dressing, has been further improved with a new soft adherent layer, named Biatain Soft-Hold Dressing. This new dressing assists the practitioner or patient when changing the dressing, because the foam stays in place while the secondary dressing or compression therapy is applied or removed. The adherent layer covers less than 50% of the foam surface, allowing high exudate management. The aim of this study was to assess performance of Biatain Soft-Hold Dressing (Coloplast A/S) using Biatain Non-Adhesive Dressing (Coloplast A/S) as reference treatment.

Methods

A crossover clinical study was carried out over 8 dressing changes corresponding to 2 1/2 - 3 1/2 weeks. Research nurses assessed the patients’ wounds at every dressing change. Leakage (4-point verbal rating scale), maceration and overall exudate management (5-point numeric scale) were evaluated. Furthermore, ease of bandaging (3-point verbal rating scale), damage to surrounding skin and pain sensation (11-point numeric box scale) were assessed. The wounds were measured at study start and end to evaluate wound progress.

Results

• 16 patients with moderately to highly exuding chronic venous leg ulcers were enrolled (table 1).
• Both test dressings showed to have excellent overall exudate management (figure 1) and very few leakage incidences (table 2).
• Maceration was found in only 3% of the total dressing changes.
• Biatain Soft-Hold Dressing was found to be easier to apply when compared to non-adhesive dressings (figure 2).
• The pain scores at dressing removal were very low and the pain scores were lower at removal when compared to the pain scores in general since the last dressing change (figure 3).
• No damaging of the surrounding skin at dressing removal was observed.
• The study showed a 43% (mean) wound area reduction and a positive progress in the wound bed tissue composition in all patients.

Conclusion

The clinical study indicates that Biatain Soft-Hold Dressing provides the same exudate management properties as Biatain Non-Adhesive Dressing, which ensures a low degree of maceration and a good wound healing progress. Furthermore, Biatain Soft-Hold Dressing offers a helping hand during application. The patients experienced minimal trauma and pain at removal for both dressings.