



Biatain Non-Adhesive

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CASE STUDY

Four weeks treatment of a low exuding venous leg ulcer with **Biatain Non-Adhesive Foam Dressing**

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INTRODUCTION

This report describes four weeks treatment with **Biatain** non-adhesive in combination with compression therapy, on a patient suffering from a moderately exuding, venous leg ulcer.

Leg ulcers are commonly a long-term disease, with significant costs for the patient as well as the healthcare system. Leg ulcers often have a negative impact on the patients quality of life due to pain, reduced mobility and social isolation¹. The prevalence of leg ulcers rises with increasing age, and 3-5% of elderly people suffer from chronic leg ulcerations^{2,3}.

Foam dressings have become increasingly popular in treatment of exuding chronic wounds. Their high absorption capacity provide better exudate handling, less maceration and minimal leakage⁴. **Biatain** foam dressings are sterile, soft, highly absorbent and conformable polyurethane foam dressings that provide an optimal moist wound healing environment and effective exudate management. **Biatain** foam dressings are protected with semi-permeable film backings that are waterproof and provide bacterial barriers. **Biatain** non-adhesive are suitable on fragile skin due to the absence of adhesive.



Biatain non-adhesive provides an optimal moist wound healing environment. Exudate is absorbed locally into the foam pad with minimal lateral dispersal, thus preventing maceration. Water vapour evaporates through the backing film, which provides bacterial barrier and withstands strike-through of exudate. The combination of the soft foam and the bevelled edges minimises pressure marks and provides sealed edges, reducing the risk of leakage.

MEDICAL HISTORY

The patient is an 85 years old woman suffering from a venous leg ulcer on the lateral part of her lower left leg. The skin on her leg is fragile. The ulcer had persisted for five months at inclusion. Prior to inclusion, the ulcer had been treated with alginate dressings and compression therapy for ten weeks. Ulcer healing was delayed compared to normally expected healing rate.

On the 3rd of April the patient began treatment with **Biatain** non-adhesive. The ulcer area was 4.9 cm². The ulcer contained 20% fibrinous tissue and 80% healthy granulation tissue. Figure 1 shows the ulcer at inclusion after cleansing. During the four weeks treatment period a long stretch compression bandages were applied.

WOUND PROGRESS

After just one week the ulcer area was reduced by 41%. After two weeks of treatment the ulcer area was reduced by 73%. The ulcer now consisted of 100% healthy granulation tissue (Figure 2). At the end of the treatment the wound bed consisted of 100% healthy granulation tissue and the ulcer area was only 0.3 cm² (Figure 3), corresponding to a 95% reduction in ulcer area (Figure 4).

DRESSING PERFORMANCE

Biatain non-adhesive supported fast wound healing, resulting in an almost complete wound healing within the four weeks of treatment. Although compression therapy was applied, exudate handling was rated 'excellent' (1 on a 1-5 point scale), causing no leakage or maceration during the entire treatment. Pressure marks were rated as 'vague imprints' at week one, and as 'none or very vague imprints' the rest of the treatment period. The patient found the dressing comfortable to wear, and experienced no pain at dressing changes. No adverse events were recorded.

CONCLUSION

During the four weeks treatment period:

- **Biatain** non-adhesive demonstrated remarkable reduction in ulcer size.
- **Biatain** non-adhesive caused no leakage or maceration, even under pressure.
- **Biatain** non-adhesive minimised pressure marks.
- **Biatain** non-adhesive was comfortable and easy to use.

In conclusion, **Biatain** non-adhesive was found to be a suitable choice of treatment for this low exuding venous leg ulcer.

REFERENCES

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- ³ Philips T et al. Journal of the American Academy of Dermatology 1994;31(1):49-53
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Figure 1 The ulcer at inclusion after cleansing.



Figure 2 Ulcer area was reduced by 73% after two weeks treatment.



Figure 3 After four weeks treatment the ulcer area was reduced by 95%.

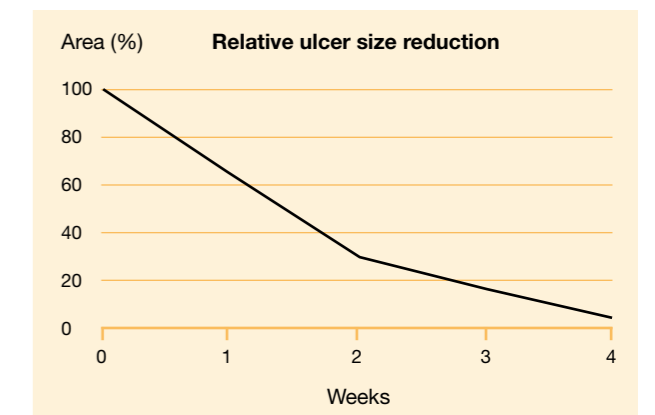


Figure 4 Treatment with **Biatain** non-adhesive resulted in improved wound bed conditions combined with dramatic reduction in ulcer size.