**Case study**

**Four weeks treatment of a moderately 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 isolation. The prevalence of leg ulcers rises with increasing age, and 3-5% of elderly people suffer from chronic leg ulcerations.

Use of absorbent foam dressings is accepted as best practice by advanced wound care practitioners. Foam dressings have high absorption capacity and provide better exudate handling, less maceration and minimal leakage.

Biatain foam dressings have superior absorption, are soft and conformable and provides an optimal moist environment for faster wound healing.

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.

**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 compression therapy
- Biatain Non-Adhesive minimised pressure marks
- Biatain Non-Adhesive was comfortable and easy to use

**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 dramatically reduction in ulcer size.

**Medical history**

The patient is an 85 year 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 alginates 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 week treatment period, a long stretch compression bandage was applied.