

### Leg Ulcer Treatment

**Age:** 81

**Sex:** Female

#### Diagnosis

Venous leg ulcer

#### History

Varicose veins on both lower extremities below the knee since the age of 30, on the right leg also above the knee; recurrent ulcers on the right leg over the last 17 years. Thrombophlebitis on the same leg 20 years ago, the patient does not report phlebothrombosis or erysipelas.

#### Current complaint

Has been treated at our institution for 15 years, for recurrent ulcers under her right ankle. The last relapse has been lasting 5 years. For topical therapy, wet dressings have been used, chosen in view of the wound bed characteristics and the healing phase – hydrogels, alginates, absorbent foam dressings, honey-containing topical treatments, hydrocolloids, antimicrobial products... Regular application of short stretch compression bandages, Detralex 2-0-0, Agapurin 2-0-1. At present, varicose veins on both shanks and in the lower 1/3 of both thighs, soft swelling around both ankles. A 7.5x6cm large ulcer on the inner right ankle, with medium-strong secreting, bright-red wound bed. 4 small yellow-white-coated circles in the wound centre. The wound edges are well defined.



**Fig. 1: March 2008**

Ulceration prior to starting the Xe-Derma® treatment, 7.5x6 cm large



**Fig. 2: May 2008**

The wound has been progressively epithelising from the edges towards the centre; the wound is divided with an epithelisation bridge into 2 smaller wounds, 2.5x2.2 cm and 1x0.5 cm large respectively



**Fig. 3: June 2008**

The smaller wound has practically healed

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## Therapy

Xe-Derma® is an ideal dressing for II degree scalding Xe-Derma® was first applied in March 2008. After mechanical debridement, the wound bed was clean, bright red, medium-strongly exuding. Hydrated Xe-Derma® 6 x 8 cm was applied, with a secondary dressing and compression bandage. In the first period when the wound secreted more heavily, Xe-Derma® was replaced every 3-4 days. Later, drying-out Xe-Derma® was kept on the wound until spontaneously peeled-off (5-7 days). Epithelisation was found to develop from the wound edges. Xe-Derma® was applied until complete healing; the ulcer has healed completely since (for 4 years).

**Total Treatment Duration: 7 Months**

**Total Number of Xe-Derma® Applications: 25**



**Fig. 4: October 2008**

The wound has completely healed; there is only a small scar