

Adtec SteriPlas Treatment of long-term Chronic Wounds

Adtec Plasma (Adtec SteriPlas) can positively influence wound healing by reduction in microbial load and modifying the wound microenvironment. We tested this promising product in a patient with a chronic, non healing wound despite various therapies (Fig. 1). The reason for the wound was a pressure ulcer at the upper limb, lateral, 5x3 cm, the skin at this location was treated by radiotherapy, years before. The wound had been open for seven months. We started to treat the wound with plasma 3 times a week, each time for duration of 2 minutes.

Study Outline

We started with SteriPlas January 2017, when the wound sizes were almost 5x1cm, with missing epithelialization. After one month we could observe near closure (Fig. 2 - 4). Because of exhaustion of the patient, the treatment was suspended. After 6 weeks the wound showed a de novo rise of size (Fig. 5). So we started with SteriPlas again. Treatment was stopped 4 weeks later after complete and in the follow up definitive healing (Fig. 6).

Results

In this case of a chronic non healing wound SteriPlas seemed to induce wound healing and probably activated the process of cell migration after stagnation again. Numerous appointments are necessary to have an intensive therapeutic follow up: in our case 3 times per week for 2 minutes. SteriPlas can be used in the field of chronic wounds and is a promising product. Randomized controlled trials are necessary to prove benefit.



Fig.1, 19.5. 2016



Fig.2, 11.1.2017



Fig.3, 9.2.2017



Fig. 4, 3.3.2017



Fig. 5, 2. May 2017



Fig.6, 29.May 2017

M.Kaiser, woundexpert, Spital Limmattal, Schlieren, Switzerland