

## CLINICAL RESULTS ABOUT AN ANTIMICROBIAL SOLUTION\* IN THE TREATMENT OF INFECTED CHRONIC WOUNDS

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From 2006 we included a new conception superoxyd antimicrobial solution with significant cleansing activity in the infected wound protocols of treatment.

We evaluated 40 patients with infected wounds following the criteria of Cutting and Harding; analyzed datas have been: pain (VAS), improvement/resolution of the clinical signs of infection, bad odour reduction, white blood cells count and duration of hospitalization.

Patients have been randomized into two groups:

- 1 Group One: systemic antibiotic therapy (Ceftriaxone 2 gr/die + Teicoplanin 400 mg/die + Metronidazolum 1 gr/die) and topical treatment with povidiodine solution (two dressings per day).
- 2 Group Two: systemic antibiotic therapy (Ceftriaxone 2 gr/die + Teicoplanin 400 mg/die + Metronidazolum 1 gr/die) and topical treatment with superoxyd antimicrobial solution soaked cotton gauzes on a layer of non-adherent dressing (two dressings per day).

The results demonstrated a better performance of the superoxyd solution vs povidiodine, especially in terms of reduction of hospitalization times. White blood cells decreased more significantly in group two (about 45%) than in group one (less than 20%). No change about odour in group one; it disappeared almost completely instead in group two. We had very good results about reduction of clinical signs of infection and pain relief too.

\*Dermacyn Wound Care