

# NEW ANTIOXIDANT HYDROGEL THAT MAXIMIZES THE NATURAL WOUND HEALING PROCESS - CASE SERIES

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**Introduction.** Wounds represent a growing public health problem due to its high incidence of complications and difficulties throughout the healing process, both to patients who suffer from them and to health professionals. Despite the huge amount of products available in the market directed to different wound healing purposes, the development of innovative technologies to improve healing process is still necessary, especially for non-healing wounds.

**Aim.** To test a new antioxidant hydrogel\* indicated for the inflammatory phase of wounds. The hydrogel has been designed to control wound environment, prevent oxidative stress and avoid wound chronification.



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**Methods.** A series of cases of chronic wounds of different etiologies were treated with the novel hydrogel. It consists of an amorphous hydrogel containing the following natural ingredients : carob tree gum, vitamins and turmeric. A secondary moist wound healing dressing was applied depending on the level of exudates and patient skin conditions. To evaluate the effectiveness of the treatment the following variables were considered : Resvech score, wound bed evolution, pain level and healing rates.

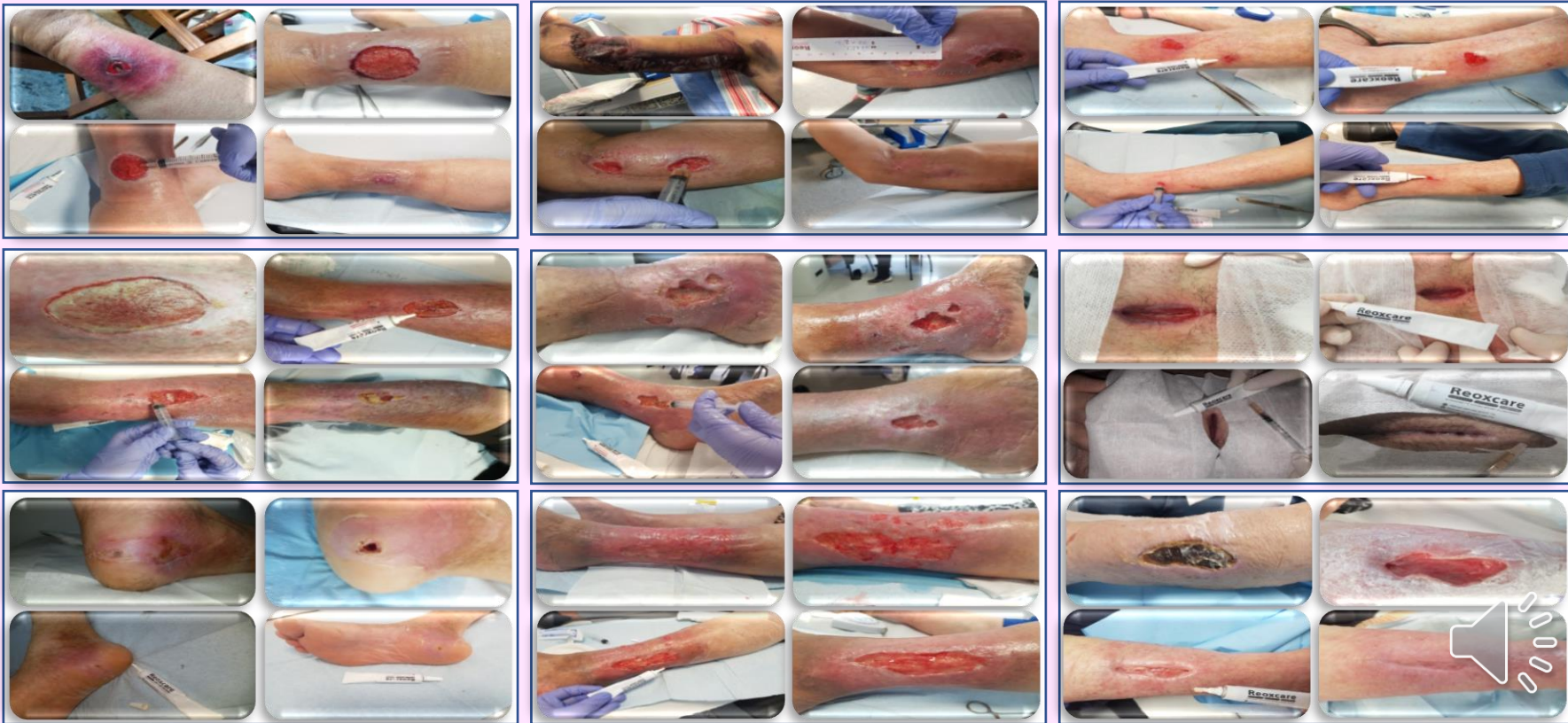
**Results.** Antioxidant hydrogel was applied in 9 chronic wounds including venous ulcers, burns, pilonidal sinus, spider bite, arteriovenous fistula and diabetic foot ulcers. The results showed a significant decrease in Resvech score throughout the treatment. In addition, a marked sensation of pain relief, early signs of wound activation and relevant healing rate was obtained.



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• **Conclusions.** New antioxidant hydrogel for wounds effectively contributed to overcome the inflammatory phase of wounds, the formation of granulation tissue and induced wound epithelialization.

• *\*Reoxcare Gel*

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## Filiation.



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