

# THE USE OF GOx+ MEDICAL HONEY IN WOUND CARE

Giorgia Radi, Giovanni Ruocco, Giovanni Danieli, Marina Pierangeli, Alessandro Scalise  
Clinic of Plastic, Reconstructive ed Aesthetic Surgery;  
Università Politecnica delle Marche & Ospedali Riuniti, Ancona - Italy

## AIM

The aim of this study is to evaluate the effectiveness, biocompatibility and safety of GOx+ (glucose oxidase positive) medical honey\* in the management of chronic skin lesions.

## METHOD

We performed a multicenter study between November 2016 and March 2017. The centers involved were all from Marche Region and were specialized in chronic skin lesions' management. We enrolled 60 patients with chronic skin lesion of different etiology. We evaluated the following clinical features: wound bed, exudate, peri-wound skin, diameter and pain. All the patients underwent the same medication protocol: cleansing with sterile saline solution, disinfection with sodium hypochlorite, application of 100% medical honey gel\* in association with alginic acid as single or second medication. The dressings were renewed every 48 hours. The protocol was suspended in case of adverse reaction, worsening of clinical conditions or poor compliance.

## RESULTS AND DISCUSSION

51 out of 60 lesions had a positive outcome: 18 healed (5 were vascular, 8 were post-surgical, 3 were post-traumatic, 1 was a pressure ulcer and 1 was a diabetical lesion) and 33 improved the clinical features (15 were vascular, 6 were post-surgical, 5 were post-traumatic, 6 were pressure ulcers and 1 was a diabetical lesion). The improvements were due to the peculiar features of medical honey\*: low pH, anti-inflammatory and pro-granulation activities.



In these pictures we show a stunning result of our protocol.  
First: evacuation of post-traumatic hematoma of the knee. Second: undermined hard-to-heal loss of substance.  
Third: medication with GOx+ medical honey\*\*. Fourth: improvement of the lesion, the medication was changed\*\*\*.  
Fifth: final result that showed total healing of the lesion.

## CONCLUSION

GOx+ medical honey\* is an effective and safe tool in the management of chronic skin lesions. Even though a wider casuistry is necessary, this study showed significant and positive results.