



## ADVANCED WOUND HEALING WITH APPLICATION OF PRODUCTS WITH DIVERSIFIED PROPOLIS

**Autors:** Dr. Adrian Marichal, Dr. Adrian Ramos, Nursing Assistant Carla Burguez, Degree in Nursing Claudia Rodriguez

**Institution:** , Wound Unit RAP (Primary Care Network) Canelones ASSE (State Health Services Administration) City Las Piedras, Uruguay.

### Introduction:

In the understanding that we have in our country the industry and the raw material of elaboration of products derived from propolis, based on the evidence published in scientific articles that refer to the anti-inflammatory activity of propolis which is linked to the ability of its constituent polyphenols (flavonoids and aromatic acids) to inhibit NF-kB (nuclear transcription factor kappa-b) and reducing the levels of inflammatory mediators, this produces a decrease in inflammation, pain and microbial load, it is then that for this reason it was decided to clinically verify the efficacy of this product in complex wounds by conducting a descriptive, prospective cross-sectional study.

### Objective:

Demonstrate the efficacy of this active in controlling bacterial load, immunomodulation, pain, and wound healing.

### Methods:

Descriptive, Prospective with cross-sectional.

The method that will be used is the observation and assessment of the users, collection of data from the electronic medical record, individualized assessment instruments for each wound, wound measurements (MOWA, ACETATE) and EVA as a pain scale.

Tolerance test

### INCLUSION CRITERIA

Users who present Venous Ulcer, Pressure Ulcer and Diabetic Foot.

**Results:** The study began on 2/1/2019, a cut is made on 1/6/21. **TOTAL 30 MONTHS**

To date we have

Total Patients 163 is broken down as follows:

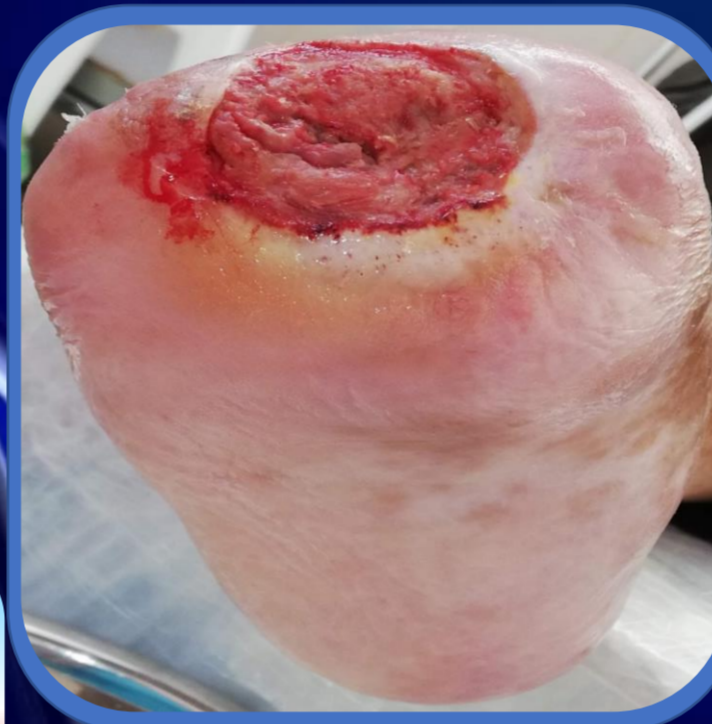
Abandonments because external reasons 5 users.

Allergies 9 users.

Deaths 11 (Cancer, Stroke, AMI, COVID)

Referrals to Second Nivel of Care 8 users.

Number of Completed Patients 130.



6 months



8 months



**Conclusion:** So far we can say that if it is clinically verifiable the effectiveness of the products with propolis reduces pain, inflammation and therefore favors healing with a humid environment. It was possible to verify with practical scientific evidence the different combinations and uses of the products.

The combination of Propolis Dressings with propolis in 2% Ointment has allowed to maintain a humid environment since the dressing absorbs the component and keeps the wound moist and in turn does not allow adhesion to the tissues in formation of the wound and therefore does not produce pain. In addition to the effectiveness against biofilm that was demonstrated by laboratory wound cultures.

The combination of Calcium Alginate dressings moistened in Propolis Lotion has favored in the prolonged release of propolis in the bed does not allow adhesion because it is gelled and is also used under Unna boot therefore its change allows us to space up to 4 days.

The use of Corticodress dressings has allowed us to lower hypergranulation and in some cases when propolis produces pain in combination with Propolis Ointment it has allowed us to lower the pain and be able to act on the biofilm together.