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## THE USE OF A TRANSDERMIC GEL BASED ON HYALURONIC ACID AND N-ACETHYLLCARNITINE \* AS AN INNOVATIVE APPROACH IN THE TREATMENT OF SKIN INFLAMMATIONS IN THE HAND-ARM AREA.

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### INTRODUCTION

In patients undergoing chemotherapy with intravenous drug administration (Oxaliplatin, Vinorelbine, Taxol), the most important side effects are related to the leakage of liquid from the puncture site causing pain or burning in the surrounding area, or around the vein, and damage to the skin tissues, which, if not properly treated, can lead to the interruption of the chemotherapeutic cycle with negative repercussions on the prognosis of the disease.

The clinical cases related to the above-mentioned undesirable effects were managed using an innovative method based on the use of a dressing + transdermal gel \*.

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### METHODS

- Observation period: March-May 2018
- Age 50-80 years
- Treated patients: n.3
- Sex: 3 men

A gel based on hyaluronic acid and N-acetylcarnitine was applied on the skin lesion after treatment

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### CASE STUDIES

#### CASE No. 1: 200ML OF OXALIPLATINE EXTRAVASATION



BEGINNING TREATMENT: Treated with Jalosome™ applied with closed dressing twice a day. Then applied on the whole arm.



AFTER 2 WEEKS: Disappearance of pain and redness.

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#### CASE No. 2: TAXOLO EXTRAVASATION AND SKIN INFLAMMATION



BEGINNING TREATMENT: Drug extravasation from the vein with subsequent damage to skin tissues and skin surface. Treated with Jalosome™ applied on the whole arm.



AFTER 2 WEEKS: Lesion reduction. Disappearance of pain and redness. Skin moisturized and not inflamed.

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## RESULTS AND PARAMETERS EVALUATED

- No. of patients who discontinued chemotherapy: 0/3
- Average healing time: 15-20 days
- Gel application frequency: every 24 hours
- Number of gel bottles used between one cycle and the other: 3 of 10ml

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## CONCLUSIONS

In the treatment of skin lesions due to chemotherapy, the use of a transdermal gel, which facilitates the penetration of stratum corneum by active ingredients, has enabled the effective treatment of inflammation and of cutaneous side effects from chemotherapy, reducing the associated pain and accelerating the regenerative process of the skin.

\*Jalosome Soothing Gel™

