

# A NEW TREATMENT IN THE SKIN LESIONS DUE TO RADIATION THERAPY



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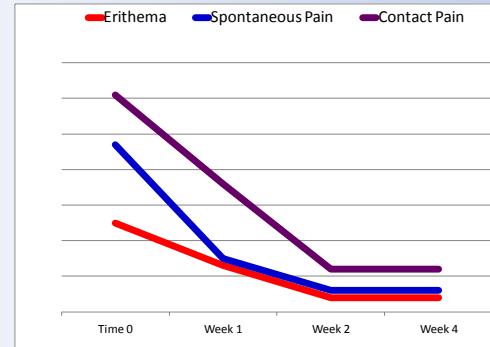
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**AIM** : the most common side effects of oncologic radiotherapy are rash or redness, permanent pigmentation, and scarring in the treated area (radiodermatitis). Radiation therapy causes inflammation of tissues and organs in and around the body site radiated: for example, radiation can inflame skin to cause a burn. Aim of the work is to demonstrate the effectiveness of a new product containing glycerosomes carrying hyaluronate\* whose mechanism of action is to decrease local inflammation, to form protective barrier and to regenerate skin.

**METHODS**: the study involved 20 patients with skin damages due to oncologic radiation therapy. The treatment protocol provides local treatment consisting of applying a small amount of the product on the radiodermatitis, after cleansing with neutral wet wipes; no secondary dressing needed. The renewal of the dressing was provided every 24 hours. The effectiveness evaluation was based on the removal of clinical signs of inflammation and the reduction of pain, evaluated with VAS (Visual Analogue Scale).

**RESULTS**: we had pain reduction in more than 70% of patients and effectiveness in terms of improvement of the skin condition in 100% of cases. The mean time of treatment was about 2 months, but the pain reduction has been achieved within 3 weeks (tab.1).

**CONCLUSIONS**: the treatment of radiodermatitis has always been quite empirical: clinicians suggest to most of patients a nonspecific treatment with steroidal creams or burns product. Now we think to have a specific product that can become part of an effective protocol to prevent and care the skin damages of radiotherapy.



Tab.1 – Trend of pain. Erythema showed a gradual decreasing until complete disappearing within 2 weeks



Improvement of wound and perilesional skin after 3 weeks of treatment

	Week 1	Week 2	Week 4
Pain	- 74.5%	- 95.4%	- 95.4%
Erythema	- 50%	- 100%	- 100%
Skin Heat	- 75%	- 75%	- 100%

\*by WelCare Medical



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