

## Effects of a protein free Rhealba oat plantlet extracts in reduction of pain and reduction of downtime in peelings procedures- Marketa Saint Aroman-Pierre Fabre Dermo-Cosmétique

Marketa Saint Aroman, Fabienne Carballido, Thibault Aardewijn and Jorge Ocampo Candiani

Medical Director in - Pierre Fabre Dermo-Cosmétique, A-DERMA, France

**Introduction & Aim:** The frequency of dermatological acts is steadily increasing, accompanying a growing demand from patients. For example, chemical peels are a method of resurfacing in the treatment of various skin conditions. The procedure aims to create an injury of a specific skin depth with the goal of stimulating new skin growth and improving surface texture and appearance. However, by removing the stratum corneum these techniques also leave the skin fragile, permeable and often irritated.

**Method:** A study was set up to evaluate the effects of a repair cream based on Rhealba oat plantlet extracts, L-ALA-L-GLU dipeptide and hyaluronic acid on the healing of the skin when applied immediately after medium depth TCA peels and for four weeks. The study was conducted on 23 subjects that had already been treated with a TCA medium depth chemical peel and were willing to undergo the same procedure. The clinical study included six

visits and the maximum duration of the study for each subject was 47 days.++

**Result:** The tested cream lead to a 92% decrease of social eviction compared with the previous TCA peel. Pain measurement also showed that the repair cream had a highly significant soothing effect when the pain of the current peel was compared with that of the previous one.

**Conclusion:** In case of dermatological procedures such as lasers or chemical peels, the skin is left fragile, permeable and often irritated. In this context the repair cream based on Rhealba oat plantlet extracts, L-ALA-L-GLU dipeptide and hyaluronic acid represents a relevant option in treating post-act fragile skin. Indeed, it has been shown that the repair cream leads to a downtime reduction of 8 days following medium depth TCA peels but also a decrease of the pain compared to the previous TCA peel.