



CONTACT DERMATITIS AND OCCUPATIONAL DERMATOSES

INCONTINENCE-ASSOCIATED DERMATITIS AND THE EFFECTS OF A BARRIER CREAM BASED ON RHEALBA OAT PLANTLETS EXTRACTS ON SENIOR PATIENTS

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Introduction: Incontinence-associated dermatitis (IAD), is an inflammation of the skin associated with exposure to urine or stool. Elderly adults, and especially those in long-term care facilities, are at risk for urinary or fecal incontinence and therefore IAD.

In ageing skin, barrier function and wound healing are impaired. In consequence, any prolonged exposure to moisture in presence of ammonia will lead to a decreased stratum corneum cohesion and finally, IAD.

IAD is characterized by maceration, papules and even ulceration in extreme cases.

Gentle cleansing, use of hydrating topical agents and application of barrier products are the main elements to prevent and treat this pathology.

Objective: The objective of this study was to determine the efficacy of a barrier cream containing Rhealba Oat Plantlets extracts on IAD.

Material and Methods: An open, monocentric clinical study lasting 29 days was conducted on 42 seniors regularly presenting IAD due to wearing diapers because of urinary incontinence. The efficacy of a barrier cream containing Rhealba Oat Plantlets extracts, applied after each change, was assessed on the studied areas during three visits: at inclusion, at day 8, and finally at day 29. At each visit Diaper Rash Grading Score and Erythema measurement were collected.

Results: After 8 days of treatment with a Rhealba extract-based Barrier cream, diaper rash grading score significantly decreased ($p < 0.05$) from 1.5 to 0.7 and was still of 0.7 at day 29. Mexameter measurement displayed a significant erythema reduction ($p < 0.05$) of 7% after only 8 days of treatment, that kept decreasing during 21 days ($p < 0.05$).

Conclusion: The optimal skin-care regimen incorporates a product that enables frequent cleansing episodes. This step may be followed by application of a skin protectant to avoid any barrier alteration.





In this context, our barrier cream containing Rhealba Oat Plantlets extracts represent a key component in treating IAD.

