

BALTIC CARE° and neurodermatitis

Quite often we received feedbacks from our customers that after application of our products symptoms of very dry skin and neurodermatitis improved. Of course, we shared their happiness. Moreover, we wanted to get to the bottom of these observations and assigned a clinical study at the dermatological institute of the University of Kiel. The results reveal that the observed positive effects were not casual.

Summary of the results:

BALTIC CARE° Sea Creme and Sea Lotion

- effectively increase the ability of humidity binding of the skin (more effective than a hydrocortison salve)
- continuously and sustainably reduce itchiness (more than a hydrocortison salve)
- improve the overall skin appearance

- significantly reduce the severity of neurodermatitis within two weeks

Neurodermatitis is a complex disease, which dispreads more and more. It is estimated, that more than 10% of the children are suffering from neurodermatitis and in total five million people in Germany.

Neurodermatitis sometimes is a hereditary disease. Also, it can break out due to outside influences, like stress, climate, microbial infections and chemical substances.

The first symptom of neurodermatitis is a very dry skin, ascribed to disruption of the callus layer, the uppermost barrier of the skin. Consequences are humidity loss, sensitivity for foreign matters, and itchiness. The latter is caused by an increased spill of body's own histamines. Subsequent scratching leads to destruction of the skin and a higher risk of bacterial, fungal and viral infection.

The aim of a skin care, when suffering from neurodermatitis, is therefore to regenerate the upper barrier layer of the skin, to reduce the itchiness and minimise the risk of infections. The barrier function of the skin can be improved by the supply with potassium, sodium and chloride ions, the main mineral contents of the Laminaria algae.

Psoriasis is a chronic disease. Symptoms are skin redness and flaking of the affected skin areas. These symptoms can be explained with an overreaction of the immune system, attacking the own skin cells (keratinocytes). As a result the skin cells react with excessive cell proliferation. The main reason for this reaction chain is an insufficiency of minerals.

Consequently, the focus of a psoriasis skin care should be the transdermal administration of sufficient magnesium, strontium and selene, in order to abandon the inflammation. Sea water and the algae Laminaria contain these minerals in high amounts. Furthermore, Laminaria comprises special algal polysaccharides, e.g. fucoxanthin and laminaran, known as antibacterial and antiviral agents. Other fostering agents in Laminaria are fucoxanthin and polyphenols, acting as antioxidants, which neutralises foreign aggressive substances.

So far, the above drafted coherences between algal substances and the causes of neurodermatitis remain a matter of theory. There barely exist no study yet on the effects of care products on neurodermatitis.

Hence, O`Well assigned a study at the University of Kiel in Northern Germany in order to investigate the effects of BALTIC CARE° on neurodermatitis (atopic dermatitis) under superintendence of dermatologists.

The Sea Creme and the Sea Lotion have been tested on the skin of 20 patients in a half side test in comparison with a hydrocortison salve. Over a period of four weeks the hydration, the itchiness, the affected skin area, redness and loss of humidity, as well as criteria of life quality, like sleep disorder, were measured.

These data were evaluated by a diagnosis scheme called Severity Scoring of Atopic Dermatitis (SCORAD).