

Color

Utilizing the DSM IV to investigate the effect of a dietary photoprotectant on erythema and melanin indexes



Case information

Study title: Effects of Eight-Week Supplementation Containing Red Orange and Polypodium leucotomos Extracts on UVB-Induced Skin Responses: A Randomized Double-Blind Placebo-Controlled Trial

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Authors: P. Kersmanc; T. Pogacnik; J. Zmitek; H. Hristov et al.

Aim: To assess the effects of a dietary supplementation on UVB-induced erythema and melanin indexes.

Solution and method

A total of 54 participants were enrolled in the study and divided equally into an intervention group and a placebo group. The intervention group ingested the new supplementation product once daily for 8 weeks. Both groups were exposed to UVB radiation at baseline, as well as after two and eight weeks of supplementation.

Skin color measurements were obtained from the lower back utilizing the DSM IV both before and after UVB exposure sessions.

Results and conclusions

The study observed a reduction in erythema index, as measured using the DSM IV within the intervention group, while no significant changes were observed in the melanin index.

The study concluded that the dietary supplementation is associated with a reduction in erythema following UVB exposure

Please note: Cortex devices provide objective measurement data for research and cosmetic studies. They are not intended for diagnosis or treatment of medical conditions.

BENEFITS of the DSM

Accurate and objective measurements:

The DSM IV offers reliable skin color measurements with high measurement accuracy of skin phototype and key parameters

Comprehensive skin color technology:

The DSM IV enables 4-in-1 measurements at the same spot: melanin/erythema index, CIE L*a*b, ITA, and gloss. This makes the device ideal for many applications, including cosmetic testing and quantification of skin color changes.

Portable design:

The DSM IV comes with a modern and portable design with an integrated calibrator, making the device perfect for working remote.



The DSM-4 Colorimeter

provides the newest skin color analysis technology

To learn more about our solutions, visit cortex.dk



Niels Jernes Vej 6B
9220 Aalborg
Denmark
+45 9857 4100
cortex@cortex.dk
www.cortex.dk