

Skin hydration, TEWL, skin color, elasticity and collagen density

Evaluating the therapeutic effects of an injectable solution on facial sagging and laxity



Case information

Study Title: Safety and Efficacy of an Injectable Solution Enriched with Sodium Hyaluronate, Amino Acids, and Peptides in Relation to Superficial Facial Connective Tissues (Dermis and Retinacular Cutis).

Published in: Journal of Cosmetic Dermatology (2024)

Authors: E. Shelemba; O. Olshanska; A. G. Benoit; E. Rumyantseva

Aim: To investigate the efficacy, safety, and effect of an injectable solution by analysing changes in skin hydration, trans-epidermal water loss (TEWL), skin color, elasticity, and collagen density after treatment.

Solution and method

The study included 28 healthy adult females aged 25-65 years with signs of facial sagging and skin laxity. The participants received injections of a product marketed as anti-aging four times at 4-week intervals.

Skin hydration, TEWL, skin color, elasticity and collagen density were measured once before treatment start and twice after ended treatment using the DermaLab Combo probes. The DermaLab Combo provided the study with objective evaluations of the skin injection.

Results and conclusions

By using the DermaLab Combo probes the study concluded that treatment with the injectable solution resulted in a significant improvement in skin hydration and elasticity. The study further found that all participants were satisfied with the treatment.

BENEFITS of the DermaLab Combo

Objective, reliable data:

The DermaLab Combo probes offer immediate and accurate assessments of skin parameters, delivering objective and reliable data essential for this study.

Non-invasive measurements:

The device features sturdy and non-invasive probes which allows for repeated measurements without harming or altering the skin barrier. This ensures high comfort and efficient workflows.

Versatility:

The DermaLab Combo combines skin hydration, trans-epidermal water loss (TEWL), skin color and elasticity measurements along with ultrasound imaging, making it a highly versatile and advanced device. This establishes the DermaLab Combo as an invaluable tool for both dermatological research and cosmetic efficacy studies.



The DermaLab Combo

Is highly customizable and provides advanced measurements. Choose between 11 probes and combine up to 9 skin parameters in one device.

To learn more about our solutions, visit cortex.dk.

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