

DermaScan Ultrasound

Utilizing the DermaScan to investigate the effect of an anti-aging cream on dermal density

Case information

Study title: TFC-1326 Compound Reduces Clinical Signs of Skin Aging. Evidence From In Vitro Human Adipose and Skin Models and Pilot Clinical Trial

Published in: Journal of Cosmetic Dermatology (2024)

Authors: Deliencourt-Godefroy G.; Legoedec J.; Bourdens M.; Juin Noémie et al.

Aim: To investigate the anti-aging effect of a topical cream containing glycoprotein TFC-1326 on human skin quality

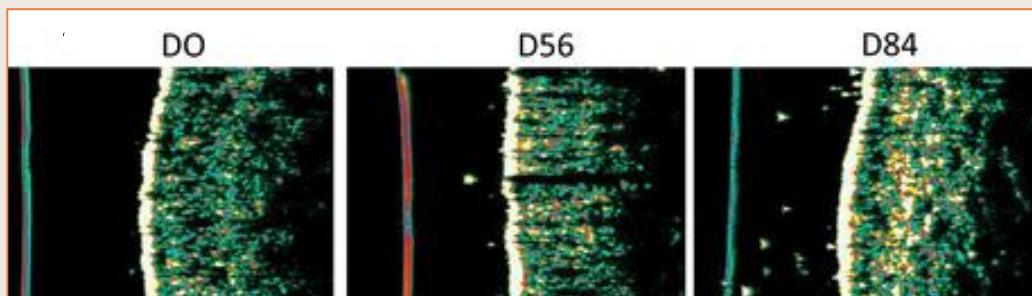
Solution and method

20 females between 40 and 65 years participated in the study. Each participant was instructed to apply the product twice daily to the entire face.

Ultrasound imaging and measurements were performed using the DermaScan at baseline, during the treatment period, and at a follow-up visit. All measurements were obtained from the cheek.

Results and conclusions

Ultrasound measurements revealed a significant 37% increase in dermal density after 12 weeks of treatment. These findings indicate that TFC-1326 is a promising cosmetic active agent.



Ultrasound images of dermal density taken at baseline (D0), after 8 weeks (D56), and after 12 weeks (D84). The images demonstrate increasing dermal density over time. Picture adapted from Deliencourt-Godefroy et al., 2024.

BENEFITS of the DermaScan

Advanced skin analysis at up to 23 mm penetration depth:

The DermaScan measures skin thickness and density with an in-depth penetration of up to 23 mm, enabling clear visualization of both epidermis and dermis. This capability makes it an essential tool for skin assessment and analysis.

Non-invasive measurements:

The device provides non-invasive measurements and visualization of skin layers, allowing for repeated measurements without harming or altering the skin barrier. This ensures high comfort and efficient workflows.

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



The DermaScan

Provides outstanding image quality based on ultra-high frequency ultrasound.

To learn more about our solutions, visit cortex.dk



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