

DermaScan Ultrasound

Utilizing the DermaScan to visualize skin structures in a study involving basal cell carcinoma

Case information

Study title: Pilot Study on High-Intensity Focused Ultrasound (HIFU) for Basal Cell Carcinoma: Effectiveness and Safety

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Authors: Calik J.; Sauer N.; Wozniak A.; Pietkiewicz P.; Dziegiel P.

Aim: To explore HIFU as a potentially revolutionizing basal cell carcinoma treatment by balancing efficacy and cosmetic outcomes.

Please note: This study is an independent scientific publication. The described outcomes are not part of the intended use of the DermaScan.

Solution and method

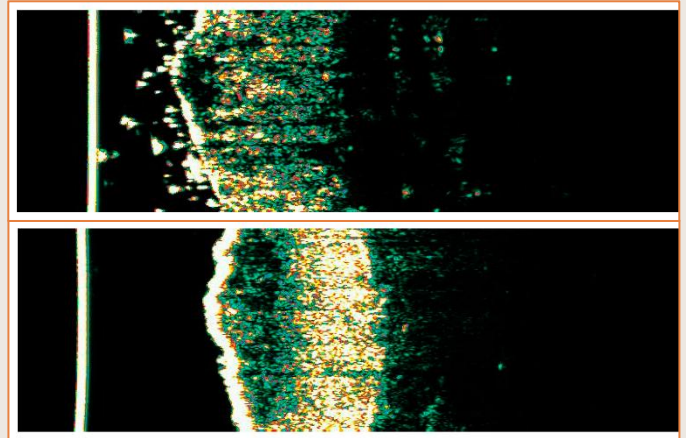
The study included eight patients collectively presenting with a total of 15 basal cell carcinoma lesions. Ultrasound scanning using the DermaScan was conducted prior to HIFU treatment, enabling measurement of skin structures within the study.

Ultrasound measurements were used in the study to characterize lesion dimensions.

Results and conclusions

All 15 basal cell carcinoma lesions were successfully treated using HIFU. The study reports the use of ultrasound measurements to characterize lesion depth in this context.

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



DermaScan ultrasound imaging of basal cell carcinomas of the temple (**upper**) and nose (**lower**).
Picture adapted from Calik et al., 2021.

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.



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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