

Elasticity

Using the DermaLab Elasticity Probe to Investigate the Effect of Fibrosis Treatment



Case Information

Study Title: Effect of Hyperbaric Oxygen Treatment on Skin Elasticity in Irradiated Patients

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Authors: K. Pandey; D. N. Teguh; R. A. van Hulst

Aim: To measure the effect of hyperbaric oxygen treatment (HBOT) for late radiation induced tissue fibrosis (LRITF) after breast cancer radiation therapy.

Solution and Method

Thirteen breast cancer patients with LRITF received an average of 43 HBOT treatment sessions, during which they breathed 100% oxygen for a total of 80 minutes.

Skin elasticity in the LRITF-affected area was measured before and after the treatment period using the DermaLab Elasticity Probe. Each measurement consisted of 3 elasticity cycles and was evaluated by assessing changes in retraction times.

Results and Conclusions

Retraction time significantly decreased after HBOT treatments, indicating improved skin elasticity.

Objective elasticity measurements support HBOT effectiveness in management of LRITF.

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 DermaLab Elasticity

- The probe offers immediate and accurate assessments of skin elasticity, delivering objective and reliable data essential for this study.
- The probe is ultra lightweight (approx. 7 grams) for minimum skin bias
- Non-invasive measurements allows for repeated measurements without harming or altering the skin barrier.
- Measurements can be performed on both soft, normal, and firm skin, making it possible to investigate both healthy skin and scar tissue



The DermaLab Combo

Is highly customizable and provides advanced measurements. Choose between 12 probes and combine up to 9 skin parameters in one device.

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



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