DERMAFRAC™

Ultrasound Scan Analysis Summary

BACKGROUND The benefit of including ultrasound as an assessment tool is that it provides quantitative information about what is happening beneath the skin surface which is not always clinically evident.

CLINICAL ANALYSIS Nine (9) volunteers between the ages of 42-54 were assessed. Scans were performed prior to treatment (Visit 1) and again at 20 weeks (Visit 2).

OBJECTIVES (1) To establish the presence of serum deposited into the upper dermis (Figure 2): Patient M.P; and (2) To establish the effect of the DermaFrac™ treatment on collagen production (Figure 3):; Patient J.D.

METHODS A series of six (6) DermaFrac™ Anti-Aging treatments were performed two weeks apart. Only the DermaFrac™ treatments were performed; better results may be achieved when combined with microdermabrasion and LED light therapy, which the DermaFrac™ system offers.

RESULTS The difference between Visit 1 to Visit 2 was highly significant, showing a 14.79% increase in collagen.

Figure 1:

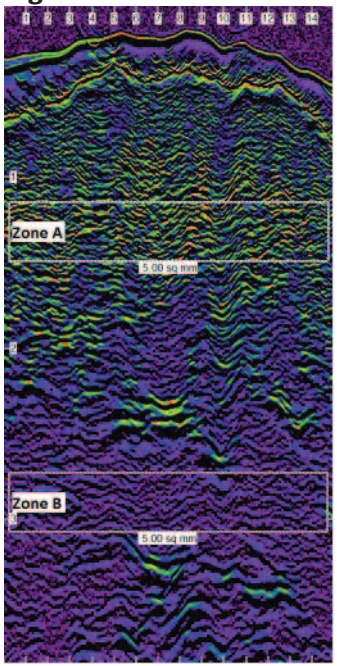
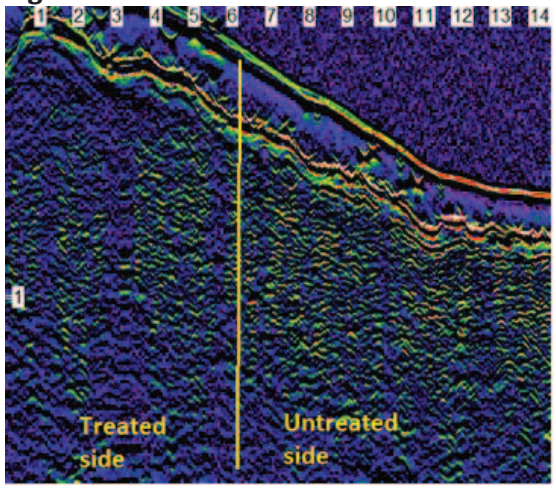


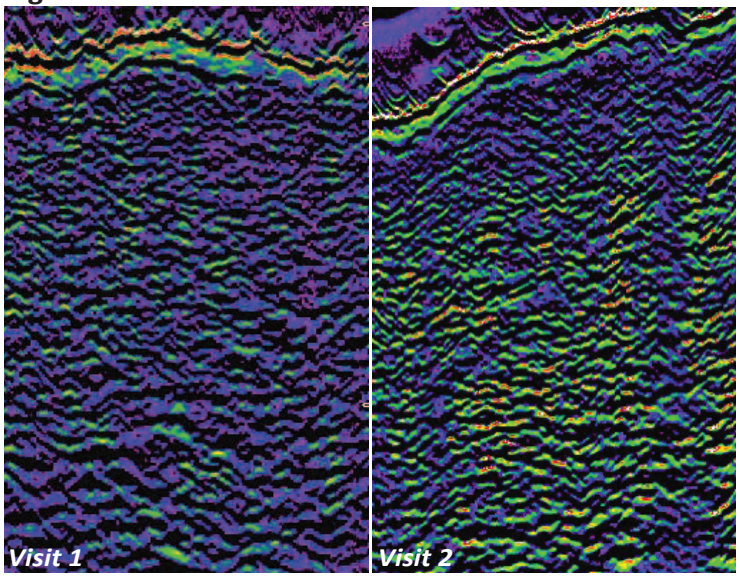
Figure 1 indicates that the two Zones are clearly different. Zone A is in an area of skin which is highly collagenous and therefore highly reflective to the ultrasound so we see a predominance of yellow pixels. Zone B is in an area of the skin that has noticeably less collagen.

Figure 2:



This scan was taken at the border of the treatment zone so we can see both treated and non-treated areas. Note the region just below the epidermis. In the treated area there is a fluid present which is absent in the non-treated area.

Figure 3:



The results show that the difference between Visit 1 to Visit 2 is highly significant. In this area we see a 14.79% increase in collagen.

Genesis Biosystems
INNOVATIONS IN REGENERATION

Courtesy of Dr. Mervyn Patterson
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Full clinical report available: DermaFrac™ Clinical Trial Report: Ultrasound Analysis