

Clinical Study Results of Split Face Evaluation For the Accelerated Healing of Post Laser Ablative Treatments

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ABSTRACT

Background: Down time after ablative laser procedures is often the most stressful process patients endure in esthetic management. The faster the healing time and reconstitution of the epidermal tissue, the more satisfied the patient.

Objective: Investigate new topical formulations to accelerate healing time.

Methods and Materials: A full face 2790 nm ablative laser procedure (Pearl) was completed. Immediately post treatment, Vaseline® was applied to half the face and Recover™ Ointment was applied to the other half.

Results: The half of the face with Vaseline took 100 hours from completion of the treatment to clear on average while the Recover half of the face took 72 hours to clear on average. This works out to 3+ days with Vaseline and just under 2 days with recover not counting the day of treatment.

Conclusion: Recover Post Treatment Ointment Reduces patient downtime.

MATERIALS

The composition of the Recover Ointment is proprietary and is currently in the patent application process. It contains an effective IL-1 α inhibitor, an effective PGE₂ inhibitor, an anti-histamine and anti-irritants in a high purity USP petrolatum base. They are dosed at a specific concentration so as to work synergistically to provide maximum epidermal regeneration. Ingredients include: Petrolatum, hydroxyphenyl propamidobenzoic acid, (-) (-) α bisabolol, Dihydroavenanthramide D, zingiber officinale root extract and guiazulene.

PROCEDURE

A Pearl 2790 nm ablative procedure was completed. The parameters used were: 3.0 joules with a 20% overlap and 0.3ms bandwidth. A full face procedure was completed with a 1 in² area of skin above the right eye not treated as a control along with the nose and upper lip. Upon immediate completion of the procedure half the face was treated with Vaseline and the other half with Recover ointment. High resolution imaging in visible and color reflectance ultra-violet light and mexameter measurements were taken to assess healing rates.

RESULTS

The recover ointment side cleared in just under 2 days on average (not counting the day of procedure), the Vaseline side clear on average in 3+ days. Mexameter results (redness measurements) indicate an average of 23% less redness on day 2 of post treatment on the Recover side. See attached Photo Diary for high resolution imaging results.