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| Title:                        | Safety and Efficacy Evaluation of a Novel Technology in Transdermal Delivery of Glycolic Acid as Skin Conditioning Agent |
| Study:                        | CL-JTP-003 rev 01  |
| Meeting:                      | American Academy of Dermatology  |
| Abstract Submission Deadline: | Noon Central Time, Friday, June 4, 2010  |
| Topic Choice                  |  |
| Word Count Limit:             | 2500 characters including spaces   |
| Current Word Count            | xxxx characters including spaces   |

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**Background:** For many years patients have been treating photo-damaged skin, acne, pigmentation, wrinkles and facial rhytids by mechanical means such as dermabrasion devices, chemical peels or laser. The investigated device technology provides access to skin layers and allowing transcutaneous delivery of water based substances.

**Objective:** Evaluate the relationship between treatment a novel device using unique technology providing high velocity supersonic delivery system and cosmetic performance of glycolic acid. Cosmetic performance was assessed by investigators rating of overall improvement and subjects self assessment of overall improvement and cosmetic acceptability.

**Methods:** 16 subjects who wished to improve photo damage and fine wrinkles were enrolled into this open label, IRB approved trial utilizing this novel device for delivery of glycolic acid.

**Results:**

A total of 16 subjects (mean age, 49.38 years) completed the therapy. Fitzpatrick's skin type scale distribution is as follows: Type I [1]— 12.50%, Type II—56.25%, Type III—25.0%, Type IV—6.25%. No unexpected redness, swelling, burning, itching and significant bruising were noted. Participant and investigator efficacy outcome (satisfaction) were obtained (very much improved- to improved) N=80%.

**Conclusion:**

Delivering glycolic acid using this unique technology of high velocity supersonic delivery may improve cosmetic appearance. Treatments were found to be efficacious, safe, and provided a significant patient satisfaction.

Conclusion:

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