Newsletter

April 2024

NovoBliss Research®

Recent Publication in the International Journal of Applied Dental Sciences 2024; 10(2): 71-80

Original Research Article https://doi.org/10.22271/oral.2024.v10.i2b.1925

Internal validation and standardization of methods for evaluating the safety and effectiveness of dental care products in research studies: Within dentistry

Dr. Maheshvari Patel, Dr. Nayan Patel, Dr. Darshan Patel, Dr. Pushti Purohit, Dr. Jahanvi Chavda, Dr. Dhruvil Gajera, Ms. Nistha Jani and Dr. Harsh Sonar

https://www.oraljournal.com/pdf/2024/vol10issue2/PartB/10-1-44-849.pdf

Process Validation in Dermatology: Tanning Study

"Validation Breakthrough: Advancing Dermatology Through Controlled Skin Tanning"

In the realm of sun protection product evaluation, a significant breakthrough has been achieved by NovoBliss Research through the establishment of a validated process for controlled skin tanning, and assessment of effectiveness sun-protection products. This milestone was reached by meticulous standardisation of every facet of the process. The study utilised exposure to both – artificial ultraviolet (UV) irradiation lamps and natural solar (Sun) irradiation to induce tanning on skin, ensuring a comprehensive evaluation under both simulated and real-world conditions.

The carefully curated skin tan induction process, combined with the precise measurement of key endpoints such as melanin and erythema indexes, has set an unparalleled standard for efficacy evaluation in the industry. This advancement underscores our steadfast commitment to advancing skin health and safety through pioneering research and development, cementing a position at the forefront of sun protection innovation.

Figure: Site Marking

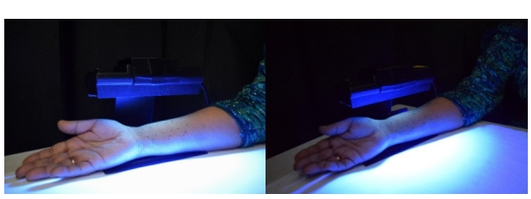
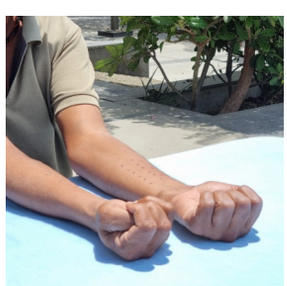
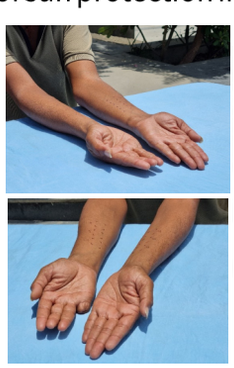


Figure: UV Irradiance on Exposed Sites





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Team Lunch

Our team lunch was a delightful occasion that brought us closer together, fostering unity and camaraderie. Thanks to everyone's hard work, from planning to execution, it was a resounding success. With delicious food from 'Taam Jhaam' Catering Service, Team enjoyed a feast and shared stories, strengthening Teammate bonds. Let's carry forward this spirit of collaboration and appreciation as we tackle challenges together and celebrate our achievements..

Successfully Completed Clinical Studies:

1. A clinical study assessing the safety and efficacy of a topical dark patch corrector cream has been conducted. It evaluated changes in erythema, melanin levels, and hyperpigmentation from baseline on Day 1 before using the product, and on Days 21 and 45 after using the treatment.

2. A prospective clinical study, conducted at a single center, with an open-label, single-arm design, assessed the safety, efficacy, and tolerability of an investigational product. The study evaluated changes in adherent scalp flaking score, scalp appearance, and visible flakes from baseline to 30 minutes after application and on Day 8 post-application of the test product.

3. A comparative, parallel, randomized, double-blind study assessed the in-use tolerability of a test treatment. It evaluated changes in appearance, length, width, and area of stretch marks from baseline before using the test products to Day 30 and Day 60 after usage.

4. A parallel, open-label, proof-of-concept clinical study assessed the safety and efficacy of a test product (Eyebrow and Eyelashes growth Serum). It evaluated changes in hair count, thickness, density, length, and coverage area from baseline before using the test products to Day 1, Day 21, and Day 45 after usage.

5. A comparative, parallel, double-blind study evaluated the in-use tolerability, safety, and efficacy of two test products. It focused on changes in hair growth, density, thickness, strength, scalp appearance, improvement in Anagen: Telogen (A: T) ratio, reduction in hair fall, and decrease in gray hair severity from baseline before using the test products to Day 1 and Day 120 after usage.

6. A consumer insight study, employing an open-label, single-arm design, assessed a test product. It focused on changes in organoleptic parameters including appearance, spreadability, texture, fragrance, touch, color, non-sticky/non-oily appearance, absorption, tackiness, and overall satisfaction. Evaluation occurred from baseline before using the test product to Day 1 after usage.

7. A safety and efficacy study, employing a randomized, double-blind, three-arm, and placebo-controlled design, assessed the nutraceutical dietary supplement as a test treatments. Evaluation focused on changes in key hematological parameters, markers of iron status, and indicators of quality of life.