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"A Novel Exploratory Approach of Validation and Standardization for Test Methods and Evaluators to Conduct Safety and Efficacy Clinical Testing of Hair Growth Products"





2023

Awarded as one of the TOP 10 CLINICAL TRIALS STARTUPS ARTUPS LIVE ARTUPS ARTUPS

Newsletter

February



INCUSTIVOUTION CLINICAL TRIALS STARTUPS

INCUSTIVOUTION CLINICAL TRIALS STARTUPS NOVOBLISS RESEARCH AS ONE OF THE **TOP 10 CLINICAL TRIALS STARTUPS** in acknowledgement of its unwavering focus and dedication to achieve excellence in quality and delivery in this field.

Industrymms TOP 10
CLINICAL TRIALS STARTUPS

NOVOBLISS RESEARCH

AN INDEPENDENT CRO CARRYING-OUT HIGH PERFORMANCE GLOBAL STANDARD CLINICAL RESEARCH & CLINICAL ACTIVITIES



driving force has been the WTO's altered intellectual property laws, and the key ideological basis for the expansion of India's clinical trial business is profit maximization over any kind of altrustic goal. Additionally, due to stringent regulatory standards, clinical trials for FMCG industry have increased. These products are released based on scientifically evidence-based claim substantiation safety efficacy studies. A distinctive CRO, NOVBLISS Research provides clinical trial support for some of provides clinical trial support for some of the major FMCG products that are used on a daily basis with the goal of providing high-quality, scientifically supported

Inception Objective

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Located in Ahmedabad and operating
out of an 8000 square foot facility,
NOVOBLISSResearch offers sciencebased, global product development
planning and strategy by recognizing
the direction to the industry and
applicable regulatory requirements,
specifying the optimum solutions and
regulatory strategy for a successful
global market entry, and taking into

acount potential distinct regulatory obligations contingent on focused local markets. We started with a vision to be one of the cost-effective, scientifically data driven, qualitative CRO globally. Having a dedicated, efficient, experienced & passionate team, we are 'Committed to advancing innovation & science for Healthy life'. We back our clinical evaluations with Al tools. Biomarkers, Microbiomes, and Accurate Bioinstrumentation for sldn. hair, ayurvedic, herbal, personal care, food, nutraceuticals, and pharmaceuticals market segments', shares Maheshvari Patel, Founder.

NOVOBLISS offers a series of services while focusing on result-oriented qualitative training by experts, validating the test methods & procedures, validation of bio-instrument inspersors, with electronic data canture researchs.

procedures, validation of bio-instrument operators, using electronic data capture tools, 100 percent quality control of toois, 100 percent quanty control or clinical data, results, quality assurance, and research publication in high-impact journals. "For overall project management, we have a team of Project Directors, Leaders, Managers, Clinical Research Coordinators, Clinical Research Research Coordinators, Clinical Research Associates, Quality Assurance Auditors, QC Coordinators, Biostatisticians & Programmers, Pharmacovigilance, and PAN India site availability, We also have tie-ups with well known universities with whom we collaborate for Pre-Clinical studies, Academic clinical studies

Clinical studies, Academic clinical studies placements to nurture the talent*, speaks Nayan Path. Co-Founder.

Government regulatory organizations, including AVUSH, FSSAI, avadifregulatory group ASC have enhanced regulations for labeling standards for herbal and food goods. Understanding the requirements for both domestic and international clinical trials,

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NOVOBLISS Research provide clinical trial support for some of the major FMCG products that are used on a daily basis with the goal of providing high-quality, scientifically supported data

Future Roadmap

Future Roadmap

The path of NOVOBLISS has been a roller-coaster, starting with just two team members at the inception of the company and growing to a strength of 20 full-time employees and 20 part-time contractual staff. The firm has completed more than 60 clinical trials on consumer goods, including oral care, eye care, cosmetics food, nutraceuticals, skin care, hair care, and baby care. Moving forward, NOVOBLISS wants to launch subsidiary company activities in the US. EU region and Canada by December 2023. NOVOBLISS is expanding rapidly and is now looking to expand internationally as it anticipates forming a joint venture with well-known brands. II

Dr Nayan Patel and **Maheshvari Patel** attended



Where Formulation Meets Technology

Mumbai, 07th-8th Feb 2023



Mumbai, 16th-17th Feb 2023



Study 1:

A Proof-of-Concept, Safety, and Efficacy Study of Hair Growth Promoting Product in Healthy Adult Human Subjects with Hair Fall Complaints

A total of 32 subjects ages 23 to 45 years were enrolled, and 29 subjects completed the study. This clinical trial has been registered at CTRI. Subjects were screened on the basis of 60-Seconds Hair Combing Test where in females with 40-50 counts and males with 25-30 counts of hair fall were considered. Subjects were provided with a Hair Growth Promoting Product and instructed to use for consecutive 60 Days. Subjects were instructed to apply a generous amount using the dropper directly to the scalp in the area of hair loss and massage into the scalp using their fingertips. Subjects were instructed to use the test product every night before going to bed as that gave the serum enough time to work while sleeping. Subjects were provided with supplemental shampoo and were instructed to use it throughout the study period. Subjects were asked to use the shampoo thrice a week as their regular shampoo to wash their hair.



60-second hair count technique



Separate comb was used for individual subject & hairs collected in zip log bag after the testing.

Assessment of efficacy parameters was done

before test product usage on Day1 and test product usage on Day 30 and Day 60. The test product was evaluated for the improvement in hair growth rate, hair thickness, hair density, and scalp condition using CASLite Nova, pluck test to measure anagen-telogen ratio of hair to check improvement in the hair growth phase reduction in hair fall, change in the general appearance of hair i.e. hair volume, hair reflection, hair plasticity, hair density, hair smoothness, hair oiliness, hair shininess, Scalp appearance i.e. itchiness, redness, roughness, and scaliness of scalp and improvement in hair strength. The effect of the test product in terms of product perception was assessed by Subjective Product Perception Assessment. There were 06 visits during the conduct of the study. There were no adverse events reported by the subjects/parents, nor by the Investigator throughout the study period.





Before Test Product Usage
Sub#01 - Day 01
Scalp Condition - Dry Scalp with much Keratin



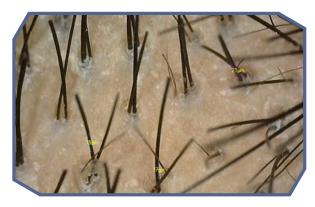
After Test Product Usage
Sub#01 - Day 60
Scalp Condition - Normal Scalp- good Condition



Before Test Product Usage Hair Density – 236sqcm Sub#023, Visit-02



After Test Product Usage Hair Density – 245sqcm Sub#023, Visit-06



Before Test Product Usage Hair Thickness - 17μm Sub#01, Day 01



After Test Product Usage Hair Thickness - 20μm Sub#01, Day 60



Before Test Product Usage Sub#01, Day 01 Growth Rate: - 395µm/day



After Test Product Usage Sub#01, Day 60 Growth Rate: - 430µm/day

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Before Test Product Usage Sub#25, Day 01 Hair Fall Count: 102



After Test Product Usage Sub#25, Day 60 Hair Fall Count: 28

Study 2:

Evaluation of Dermatological Safety of Test Products by 24 Hours Patch Test under Complete Occlusion | Semi Occlusion | Open Patch on Adult Healthy Human Subjects



Patch Application

All the test products were found 'Dermatologically Safe',
'Dermatologically tested, 'Skin Compatible' for use & 'Non-Irritant' in the study population.