

Supporting Aesthetic Outcomes: The role of NEUTROGENA® HydroBoost in Periprocedural Skincare for Non-Energy and Nonablative Dermatologic Treatments

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Evaluation of NEUTROGENA® HydroBoost products, with barrier supporting Polymeric Cleansing and Natural Moisturizing Factor + Lipid-Containing Gel Matrix technologies, in periprocedural care regimen

Introduction

- Recently, there has been a rise in demand for non-energy and nonablative dermatologic procedures across a wide range of patients seeking aesthetic enhancements for concerns including signs of aging, pigmentation and acne scars.¹
- Appropriate periprocedural adjunctive care is essential for minimizing treatment-induced irritation, reducing downtime and ultimately optimizing patient satisfaction.
- Current recommendations indicate use of gentle cleansers, moisturizers, and SPF as foundational components of this care.² However, traditional occlusive topicals may leave undesirable residues that compromise aesthetic appeal resulting in poor compliance.
- NEUTROGENA® HydroBoost Fragrance-Free Gel Cleanser and Water Cream moisturizer have recently been found to be well-tolerated and to help improve the appearance of clinically sensitive skin populations, including rosacea, eczema, acne-prone and patients with cosmetic intolerance syndrome, while offering patient-preferred aesthetics.^{3, 4}

Objective

- To further assess their expanded suitability for use in barrier compromised patients, a new clinical study was designed to evaluate the tolerability and support these NEUTROGENA® HydroBoost products provide in patients undergoing non-energy or nonablative treatments.
- By offering aesthetically superior and affordable adjunctive periprocedural skin care, we aim to enhance patient experiences and outcomes in this growing demographic.

1 - American Society of Plastic Surgeons. 2024 Statistics Report. 2024. American Society of Plastic Surgeons.

2 - Lain E, Andriessen A, Campos VB, Fabi SG, Ginn L, Haus A, Harvey VM, Tremblay JF. A Practical Algorithm Integrating Skin Care With Nonenergy and Injectable Dermatologic Procedures to Improve Patient Outcomes and Satisfaction. *J Drugs Dermatol*. 2024 Apr 1;23(4):227-232.

3 - Draelos ZD, Hussain R, Smith H, Shyr T, Tierney NK. Efficacy and Tolerance of a Polymeric Surfactant Technology-Based Cleanser for Clinically Diagnosed Sensitive Skin. *J Drugs Dermatol*. 2024 Oct 1;23(10):889-893.

4 - Bernhardt KT, Zaleski E, Li WH, Patel R, Parsa R, Miller D, Draelos ZD, Bianchini JM. Skin Barrier Benefits of a Natural Moisturizing Factor and Lipids-Based Moisturizer for Clinically Sensitive Skin. *J Drugs Dermatol*. 2025 Oct 1;24(10):1029-1035.

3-week regimen clinical study was designed on females across Fitzpatrick Skin Types, with evaluations before and after procedures

Study Design

Population:

- n=30 female patients
- Ages 22-55
- Subjects underwent one of the following procedures:
 1. Fraxel Laser System
 2. Percutaneous Collagen Induction Therapy
 3. Superficial Chemical Peel

Evaluations:

- Tolerance (erythema, edema, burning, itching, stinging, tight/dryness)
- Efficacy (uneven tone, surface roughness, dullness)
- Self-assessments
- Digital photography

Timepoints:

- (Day -7): 1wk prior to procedure
- (Day 0): Procedure (pre/post evaluations)
- (Day 1): 24hrs following procedure
- (Day 3): 72hrs following procedure
- (Day 7): 1wk following procedure
- (Day 14): 2wks following procedure

Test Products and Use Instructions

- NEUTROGENA® HydroBoost Hydrating Gel Cleanser Fragrance-Free: (AM/PM)
- NEUTROGENA® HydroBoost Water Cream Fragrance Free Moisturizer: (AM/PM)
- NEUTROGENA® Ultra Sheer Face Liquid I SPF 70: (AM)



Patient Study Demographics

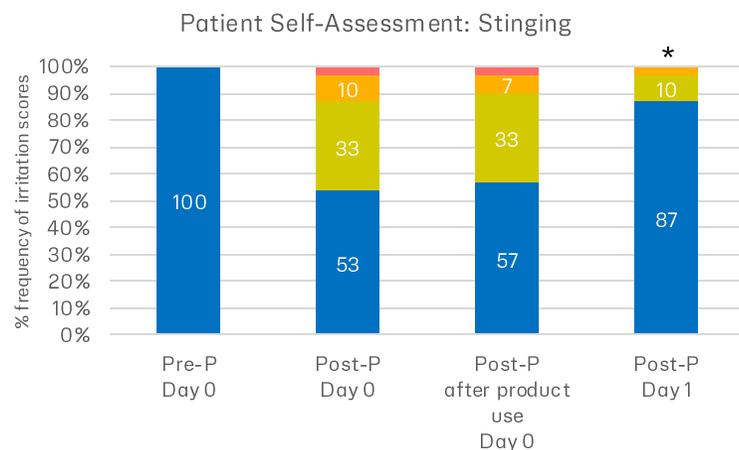
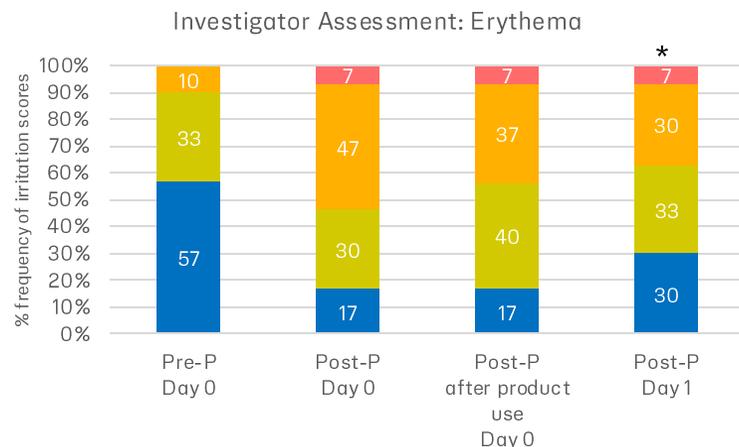
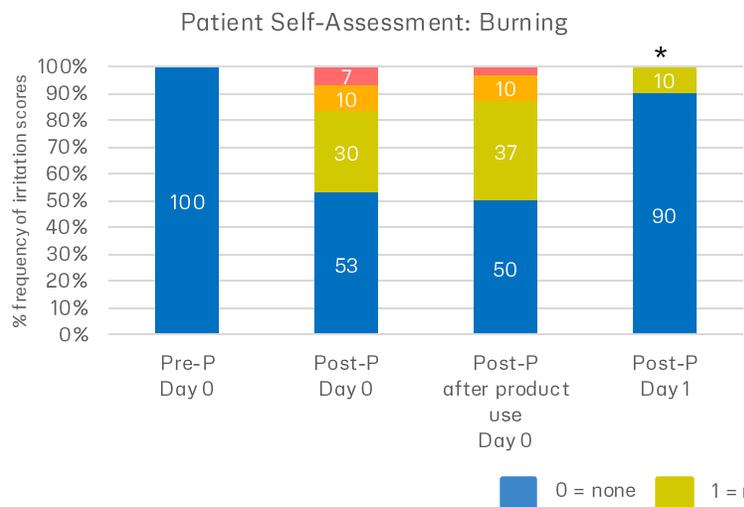
Age		Ethnicity		
		N	%	
Mean	41 y/o	Hispanic/Latino	7	24.0
Min	23 y/o	Non-Hispanic/Latino	23	77.0
Max	54 y/o			

Natural Skin Tone	N	%	Fitzpatrick Skin Type	N	%	Race	N	%
Pale/fair to light white	0	0.0	I	0	0.0	White	17	57.0
White to light beige	5	17.0	II	6	20.0	Black/African American	7	23.0
Beige to light tan/light olive	8	27.0	III	9	30.0	Asian	2	7.0
Medium tan/medium olive to light brown	9	30.0	IV	7	23.0	Not Reported	2	7.0
Medium brown to dark brown	5	17.0	V	4	13.0	Multi-Racial	2	7.0
Darkest brown to darkest black	3	10.0	VI	4	13.0			

The HydroBoost regimen was well-tolerated directly after non-energy or nonablative procedures, helping to reduce signs and symptoms of procedure-induced irritation while supporting treatment outcomes in tone and texture

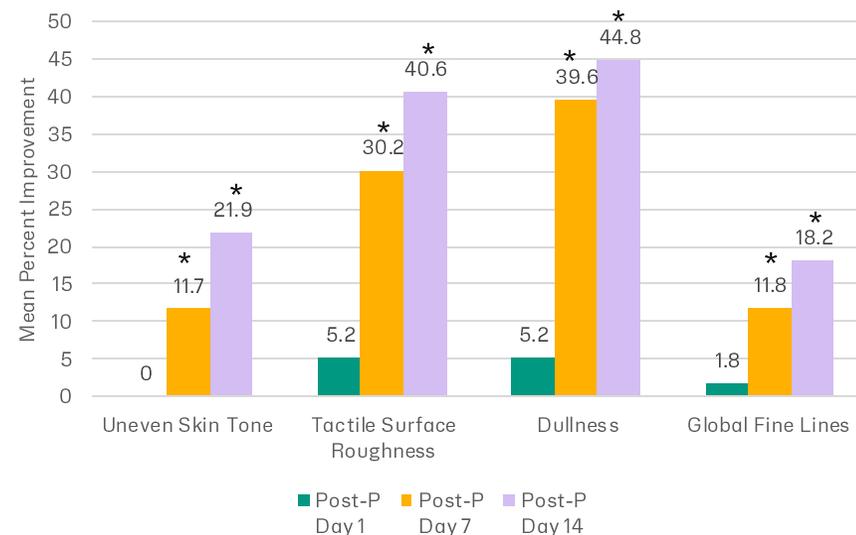
Tolerability

This adjunctive-periprocedural routine was found to be well-tolerated, demonstrating no significant increases in irritation parameters while significantly reducing ($p < 0.05$) post-procedure erythema (21%), burning (86%), and stinging (74%) within 1-day post-procedure



Clinical Grading

The HydroBoost regimen supported procedure outcomes, with Investigator assessed improvements ($p < 0.05$) in tone (12%), and texture (30%) just 7 days following the procedure.



*statistical significance $p < 0.05$

Patients reported healthier looking, feeling skin throughout their post-procedure recovery with digital imaging demonstrating visible improvements in skin appearance

Total Population

Patient self-assessments were highly favorable for the regimen usage in reducing down time (86%), optimizing results (80%), comforting skin (83%), and providing a more pleasant experience immediately following the procedure (77%).

Laser Cohort



100%
agree routine helped
reduced downtime

90%
agree routine helped
patients stay consistent
with post-laser
procedure care



80%
agree skin feels more
resilient and restored

80%
agree routine helped
ease discomfort caused
by laser procedure

NEUTROGENA® HydroBoost regimen provides affordable, aesthetically superior solution to support nonsurgical procedure outcomes

Conclusions

- Increased interest in non-surgical facial procedures highlights the need for effective periprocedural care to enhance patient recovery and satisfaction.
- This study, evaluating the tolerability of NEUTROGENA® HydroBoost products in a cohort of patients undergoing aesthetic treatments, indicates that **this adjunctive care regimen was well-tolerated, with significant improvements in tolerability metrics and overall skin appearance within 1-week post-procedure.**
 - Significant reduction ($p < 0.05$) was found in post-procedure erythema and burning within 1-day post-procedure
 - Procedure outcomes were supported by the regimen, with Investigator assessed improvements ($p < 0.05$) in tone and texture just 7 days following the procedure.
- Patient feedback also reflected high satisfaction, underscoring the **importance of innovative, affordable, and aesthetically superior skincare solutions to help support treatment outcomes for a diverse patient population.**
 - The regimen helped prepare patients' skin before procedures and enhanced comfort & recovery post-procedure