

# MULTI-CENTER, DOUBLE-BLIND CLINICAL STUDY VALIDATES DEFENAGE® AS A BEST-IN-CLASS ANTI-AGING SOLUTION, NATURALLY TURNING BACK THE CLOCK

## Breakthrough Peptide Reverses Signs of Global Skin Aging in Six Weeks

Carlsbad, CA – April 3, 2018 – Progenitor Biologics®, LLC, the manufacturer and distributor of the cutting-edge anti-aging skin care products, **DefenAge**® Skincare, is proud to announce the results of a new comprehensive clinical study of the line's breakthrough ingredient **Age-Repair Defensins**®. The **defensin**-based three-step system “globally improves the visual appearance of aging skin without irritation, dryness, or inflammation,” concludes the peer-review article published by the **Journal of Drugs in Dermatology** (JDD). Target-specific **Age-Repair Defensins** represents the latest generation of anti-aging technology and is the FIRST of a kind.

“The **defensin** skin care regimen resulted in statistically significant improvements in ALL five parameters in patients simultaneously including decreased visible fine and coarse wrinkles, pore size and visible pigmentation. Study participants also demonstrated improvement in skin's oiliness, evenness, hydration and a number of other crucial skin's qualities” shares the study's principal investigator and correspondence author, Amy Forman Taub, MD. “**DefenAge** results in profound improvements in the visible health and beauty of the skin that are readily apparent to even the untrained eye.”

“The results showed that the **defensin**-containing trio of products offer most of the advantages of time-honored retinols as well as newer but widely used growth-factor containing cosmeceuticals, without irritation or inflammation, sun-sensitivity, or concerns about neoplasia of the treated skin,” adds the study's co-investigator, Vivian Bucay, MD. “The observed clinical results put **DefenAge** Skincare into the best-in-class category without doubt, this is a landmark product.”



The earlier-published pre-clinical research shows that **defensins** activate dormant preserve of “fresh” cells in the body, LGR6-positive stem cells. “After activation, LGR6-positive stem cells physically migrate into the basal layer of the skin and create a new epidermis, and eventually, new, younger-acting skin,” explains the study's co-investigator, Gregory Keller, MD. “The **defensin**-based anti-aging technology is an authentic paradigm shift that I see only once per decade.”

“**DefenAge** made an initial soft launch in the summer of 2015,” comments Progenitor Biologics' CEO, Nikolay Turovets, PhD. “Today, more than 300 US-based aesthetic physicians and medi-spas offer **DefenAge**. Since the launch, **DefenAge's** annual growth exceeded 100 percent three years in a row, having sales in 2017 that exceeded \$2.4M. Now having such solid clinical proof of the product's performance, we will continue our expansion in the aesthetic market and deliver the best technologies to consumers.”

### Study Details

The study was conducted by Amy Forman Taub, MD, Vivian Bucay, MD, Gregory Keller, MD, Jay Williams, PhD, and Darius Mehregan, MD. A participant- and investigator -blinded, placebo-controlled, multi-center trial was performed in outpatient settings on forty-four female subjects, 41-71 years old, skin types I-V. The evaluation was performed at baseline, 6 and 12 weeks. The **DefenAge** 3-step system (trade name: Clinical Power Trio) includes: 2-Minute Reveal Masque, 24/7 Barrier Balance Cream and 8-in-1 BioSerum.

**READ THE FULL-TEXT ARTICLE** with unrestricted access in the April 2018 issue of the **Journal of Drugs in Dermatology** (JDD): Taub A, Bucay V, Keller G, Williams J, Mehregan D.

Multi-center, double-blind, vehicle-controlled clinical trial of an alpha and beta **defensin**-containing anti-aging skin care regimen with clinical, histopathologic, immunohistochemical, photographic, and ultrasound evaluation. *J Drugs Dermatol.* 2018;17(4):426-441. <http://jddonline.com/articles/dermatology/S1545961618P0426X>

### About DefenAge

**DefenAge**® Skincare is a technology-driven anti-aging skin care line, primarily distributed through the professional aesthetic market including dermatology and aesthetic surgery practices. The key ingredient, **Age-Repair Defensins**®, features a stand-alone natural target-specific mechanism of action. The technology is patent-pending, exclusively available in **DefenAge** and does not belong to the growth factor category. The Clinical Power Trio is clinical study tested, **DefenAge's** core skin care regimen that addresses visible signs of skin aging on a global scale. **DefenAge** products do not contain: animal- or human- originated ingredients, parabens, formaldehyde-releasing preservatives, sulfates, mineral oils, colorants, phthalates or BPA.