

EFFICACY OF A NEW REGIMEN BASED ON THE COMBINATION OF NOVEL TOPICAL AND ORAL TREATMENTS IN HOMOGENIZING AND BRIGHTENING SKIN COMPLEXION IN FILIPINO WOMEN

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The ageing process encompasses progressive physiological changes that lead to wrinkling, laxity and hyperpigmentation. These changes can be accelerated by environmental conditions, in particular UV exposure. Patients are seeking topical treatments for reversal of age-associated changes in skin. Cosmeceutical industries have been developing innovative technologies to avoid or delay the clinical signs of ageing. Retinsphere® Technology, (NeoRetin®/KNR®(USA)) based on a combination of two retinoids (hydroxypinacolone retinoate and retinol glycospheres), has a powerful lightening activity, while enhancing cell turnover. Fernblock® (Heliocare®), an extract of Polypodium leucotomos with proven photoprotective, antioxidant and anti-inflammatory properties both in oral and topical administration, has been used for years as a skin photoimmunoprotector.

1.The measured instrumental values for regimen in groups A, B and C were significantly better in both skin brightening and lightening compared to control group D.



Graphic 1: Significant* increase of skin brightness (Chromameter) in all groups with active ingredients s control after 90 days of treatment. The topical and oral combination increases the skin brightness more and faster than the other regimens.

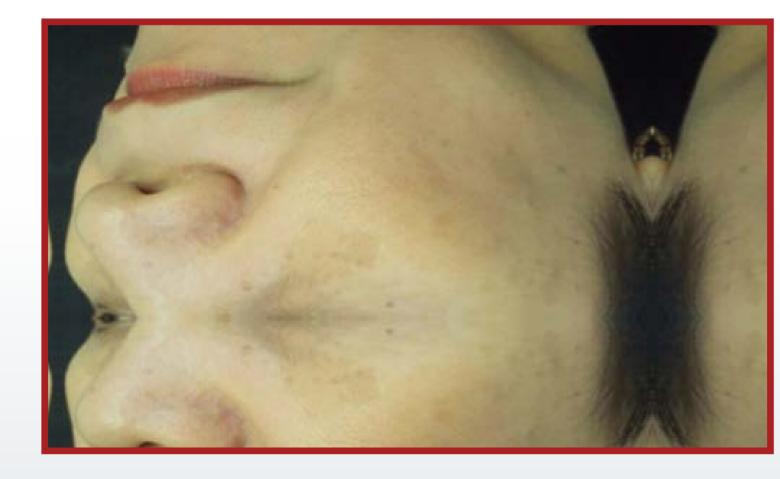


Graphic 2: Significant* increase of skin lightening (Melanin index) in all groups with active ingredients Vs control. The combination treatment reduces the melanin index faster than oral treatment alone. Very significant reduction of melanin index in groups A and C compared with control. (p=0,000).

2.The measured instrumental values showed that regimen in groups A, B and C were significantly better improving aging signs compared to control group D.



Graphic 3: Significant reduction of wrinkles after 30 d of oral and topical combination treatment.



Graphic 4: Significant increase of collagen intensity index in all active groups after



The subjective evaluations demonstrated that 75% patients of all groups with active ingredients experienced improvement in the appearance of skin blotches and global assessment of pigmentation compared with 25% of patients of control group. No adverse reactions were found during the study period.

Primary objective: To evaluate the efficacy of a new regimen based on a topical treatment with Retinsphere® Technology (NeoRetin® Cream SPF50 (NRC) and Serum (NRS), respectively) combined with an oral treatment based on Fernblock® (Heliocare® Pure White Radiance (HPWR)), in reducing the visibility of skin blotches and creating a more even complexion.

Secondary objectives: To evaluate the anti-ageing efficacy of the regimen treatment in improving skin hydration, skin moisture, skin firmness, wrinkle reduction, increased collagen intensity and skin smoothening. To monitor the development of adverse reactions during the 90-day study period.

Randomized, double blind, placebo-controlled study.

A total of 80 women between 35 and 55 years of age were recruited and randomized into 4 groups.

Product efficacy was evaluated using noninvasive bioengineering techniques comparing baseline (T0) values with T30 and T90 values of hydration, moisturization, brightness, lightening, firmness, wrinkle reduction, collagen intensity and smoothening. At T90, the dermatologist subjectively evaluated and scored accordingly the appearance of skin blotches, clinical classification of skin wrinkledness and clinical classification of skin firmness. Development of adverse reactions was monitored throughout the 90-day study period.



Table 1: A total of 80 female subjects were recruited and randomized into 4 groups, 20 subjects per group. To each group one regimen was assigned



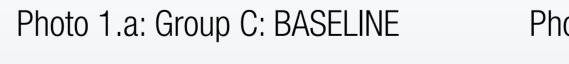




Photo 1.b: Group C: 90 d



Photo 2.a: Group A: BASELINE

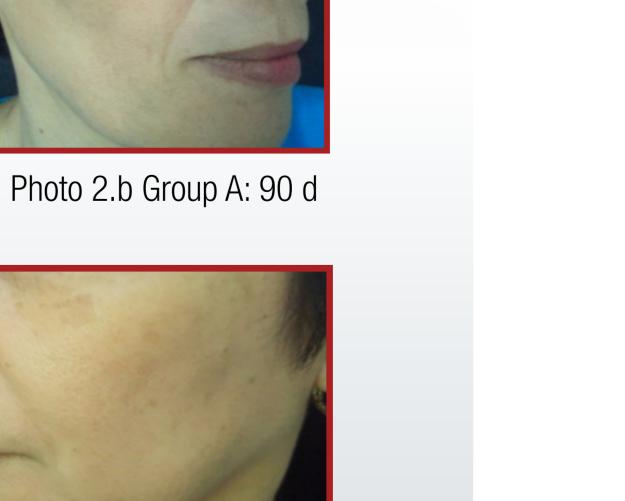


Photo 3.a: Group C: BASELINE

Photo 3.b: Group C: 30 d

Photo 3.c: Group C: 90 d

All regimens with active products were significantly effective in enhancing a more even complexion with anti-ageing skin benefits.

Ranking efficacy in all parameters showed that regimen C is better compared with regimen A and B, and regimen A is better than B.

Topical treatment is essential for the treatment of pigmented ageing lesions and oral treatment is an adjuvant therapy that improves and accelerates the results.