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THE EFFECTIVENESS OF TWO ORIGINAL LIQUID CRYSTAL FORMULATIONS WITH RETINOL IN RANDOMIZED PARALLEL CONTROL TRIAL

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Vitamin A is the first vitamin approved by FDA (Food and Drug Administration) in treating wrinkles, fine lines, changes in micro relief and anti-aging effects. We sought to evaluate the efficiency and tolerability of treating signs of aging skin like wrinkles, hyperpigmentation's and uneven surface of the skin using a 0.15% and 0.3% retinol. Patients at 2 sites (n=20, n=20) applied a novel formulation of retinol respectively 0.15% on the left and 0.3% on the right, daily to their faces for 2 months. Expert blind evaluation of images (VAS, visual analogue scale) occurred at week 4 and week 8. Tolerability was assessed throughout the study. Positive results of the observed pilot study warranted a follow-up study on the higher concentration and other parallel study. Most participants showed improvement in overall skin condition, which were graded at week 4 and week 8. Improvements at 56 days were comparable on the left and right side. The pilot study was crucial to evaluate the effects of two different concentrations in one original formulation to check if concentration in cosmetic products indicates visible changes in treatment.

BIOGRAPHY

Malwina Zasada is attending third year of PhD study at Medical University of Lodz. She is an author of impact factor publications; she also takes part in national and International conferences. She is a Manager in cosmetic brand where she is responsible for training and science field, sharing her knowledge about cosmetology and chemistry. She participated in medical studies since bachelor degree and created new liquid crystal cosmetic formulation, checking if retinol could give the same results in lower concentration compared to higher in biomimetic cosmetic base.

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