A CONTROLLED 10-MONTH STUDY OF A SELF-REGULATORY AND REPAIRING SERUM ON THE 3 MAIN SIGNS OF AGEING INDUCED BY HECTIC LIFE RHYTHMS

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Introduction

In addition to pollution and seasons changes, lifestyle choices have a decisive influence on how fast individuals age, with modern life being a source of stress and life choices, which could be compared to inducing over time, a cellular burn-out on the skin. Based on these factors, a serum has been designed to fight against the cellular alterations brought about by these factors, notably hectic life rhythms. A serum was developed with pure stem cells from crithmum maritimum and eryngium maritimum, halophytes plants, known for their unique and powerful resistance to external harsh environments, to adapt to the skin’s daily needs and restore its youthful properties, even in individuals with hectic life rhythms. These botanical stem cells have been proven to have a mechanism able to stimulate the re-establishment of epidermal and dermal physiology⁴ and boost the cell regeneration process. A study was carried out to confirm the capacity of the serum to compensate the effects on the skin of a fluctuating and stressing lifestyle. The product was tested over a period of 10 months to ensure a reliable follow-up of various changes occurring in the participants’ lives (stress, fatigue, weather and seasonal changes, influence of work and holidays, etc.).

Material and Methods

- 60 healthy female volunteers, aged 30-60, with hectic lifestyles (Figure 1 and Table 1);
- Divided into 3 groups of 20 women based on their major sign of skin ageing: wrinkles, dull skin, lack of tonicity;
- Repeated application twice daily of the cosmetic to the entire face and half of their chest vs. neutral serum during 10 months;
- Assessments at T0, T3 and T10months: clinical scoring, self-assessment.

Results

- Significant improvement of the global skin quality score (sum of radiance, wrinkles and tonicity scores) (+31% at T3 months and +43% at T10 months);
- Significant improvement in the clinical signs (+49% for radiance, +39% for wrinkles and +41% for tonicity), specifically for the specific need of each group (Figure 2 and 3);
- Improvement significantly higher on the half-decolleté treated with the active than for the placebo as early as 3 months;
- Crow’s feet, glabella and forehead wrinkles (wrinkles resulting from underlying muscular activity and affected by lifestyle quality) were also significantly reduced after 10 months of repeated applications of the serum;
- Most of the women found their hectic lifestyle seemed to have less influence on their skin after 10 months of repeated application of the serum.

Conclusion

After 10 months of repeated applications, results show that the more visible signs of ageing induced by the hectic life rhythms of modern life are targeted and treated by the serum containing 0.20% pure stem cells from crithmum maritimum and eryngium maritimum. These results suggest that the product may trigger the TGFβ1/CTGF cellular signalling pathway and stimulate the metabolic activity of the extracellular matrix⁵. Moreover, the study proves the efficacy of the serum through its positive self-regulatory action targeting individuals’ specific and fluctuating skin needs.

References