



AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

EVALUATION OF TOLERABILITY AND SKIN CHANGES AFTER APPLICATION OF TOPICAL ANTIAGING PRODUCTS BASED ON SIBANID SG®, PLANT STEM CELLS AND REGENERATIVE AND BIOSTIMULATING ACTIVE INGREDIENTS.

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BACKGROUND The skin suffers from both intrinsic and extrinsic aging factors in particular distinction is made between two important and independent components: cronoaging and photoaging. The oxidative stress, the UV radiations, the matrix metalloproteinases (MMPs) and the hyaluronidase enzyme play an extremely important role in skin aging processes. These dermal components are responsible to provide strength, elasticity and moisture to the skin. Innovative devices were developed based on the effective ingredients against hyaluronidase and MMP. The inhibition of the destructuring enzymes of the dermis is the main mechanism of action of Bioliftan treatment, and this process is mainly addressed to hyaluronidase and MMP inhibition. The aim of our study is to evaluate the efficacy, tolerability and skin changes induced by antiaging topical based on Sibanid SG®, plant stem cells and regenerative and biostimulating active ingredients. We tested Bioliftan Day cream and Bioliftan concentrate.

METHODS/MATERIALS All parameters were evaluated before the beginning of treatment (T0), and 60 (T1) days later. The evaluation of the effectiveness of the products was performed by clinical examination, photographic and instrumental documentation by corneometry, X-rite, elastometry, Moisture Meter EpiD, Confocal microscopy. The tolerability of the products were been investigated, at the experimental center, on the skin face, assessment of discomfort sensations were reported directly by volunteers during the study.

RESULTS The products tested after 60 days have induced an increase of hydration of the external cutaneous layers (Pvalue<0.0001), skin hydration (P<0.0001), skin brightness (Pvalue<0.01), skin elasticity (P<0,0001). All results were statistically significant. All volunteers completed the study. No patients reported side-effects. All





results were confirmed by Confocal microscopy.

CONCLUSION Our study evaluated efficacy, tolerability and skin changes after 60 days of Bioliftan day cream and Bioliftan serum concentrate application on the skin aged . Our study has shown an excellent skin tolerance of the products tested.

