



AESTHETIC AND COSMETIC DERMATOLOGY (LASERS SEPARATE CATEGORY)

## IN VIVO STUDY OF A NEW DAILY AT HOME ROUTINE COMBINING GLYCOLIC PEEL PADS AT LOW CONCENTRATION AND A 3% C-XYLOSIDE COSMETIC CREAM WITH SPF20 USED OVER A 12 WEEKS PERIOD TO DECREASE THE VISIBILITY OF S

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**Background:** Glycolic peel procedures performed by dermatologists usually improve skin radiance and quality when used at high concentration (60%), but are not suitable for all phototypes.

**Objective:** The objective of this study was to assess if a lower dosage of glycolic acid, applied daily at home during 4weeks, alone or in combination with a cosmetic cream, could significantly decrease visible skin aging signs.

**Materials and Methods:** in vivo studies were conducted under dermatological supervision, over a 12-weeks period usage.

- study 1 involved a multiethnic group of women with phototypes I to VI (Fitzpatrick scale), using a 10% glycolic pad every night on the full face.
- study 2 included Caucasian women with at least one visible pigmented spot and an irregular skin texture. They used the 10% glycolic complex Peel pads every night, with a daily 3% C-Xyloside SPF20 cream in the morning.

Clinical scorage of pigmentation, skin tone, radiance and skin overall condition were done at several times by the clinician. In study 2, spots measurements were made with a Chromameter CR-221 (Minolta).

**Results:** Both clinical studies showed a significant and progressive improvement for the global panel on overall pigmentation, skin evenness and skin condition: softness, radiance/ luminosity, smoothness, skin quality.

**Conclusions:** These results demonstrate that daily low levels of glycolic acid can improve





skin tone homogeneity from the 1st use, and are suitable for all phototypes. Peel pads showed a very high level of satisfaction when used together with a daily cream containing 3% C-Xyloside SPF, suggesting the cream results can be further improved when combined with at home glycolic treatment, providing a new gesture and routine to complete the existing anti-aging arsenal, at home.

