INTRODUCTION: In the last few years, there has been increasing demand for aesthetic procedures to improve the effects of skin aging.

OBJECTIVE: To evaluate the anti-aging efficacy, tolerability and skin changes induced by the topical products containing acid Hyaluronic, N-acetyl glucosamynne and Gamma-Amino Butyric Acid through instrumental techniques, clinical and subjective evaluation.

MATERIALS AND METHOD: 20 female enrolled applied a day and night cream after applying a serum, once week applied a mask, for two months. A clinical assessment of smoothness, expression wrinkles, fine wrinkles and measurements of the parameters using reveal imager, X-rite, Corneometer, Dermalab, Moisture Meter EpiD, were taken at 0, 15th, 30th, and 60th day of study period. A final assessment questionnaire was submitted.

RESULTS: The products were accepted by all the volunteers. The hydration (Corneometer: T0 49.17 vs T60 61.11, average variation 24.28%)(Moisture EpiD: T0 45.73 vs T60 61.10, average variation 33.60%), elasticity (Dermlab: T0 56.06 vs T60 62.78, average variation 11.98%) and lightening of the skin (XRite: T0 60.23 vs T60 63.36, average variation 5.26%) improved. All changes were statistically significant (p<0.05).

CONCLUSIONS: The efficacy of the topical products is confirmed by subjective, clinical and instrumental assessment. This should be a routine approach in dermatologic practice.