DERMOSCOPY AND SKIN IMAGING

THE EFFECT OF PIROXICAM 0,8 AND SUNSCREEN FILTER 50+ ON SOLAR LENTIGO: CLINICAL, DERMOSCOPIC AND CONFOCAL EVALUATION.

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Introduction: Solar lentigines (SLs, also called senile lentigines) are macular hyperpigmented lesions, induced by chronic sun exposure and progressing with age.

Lentigines spots are usually considered unsightly and various depigmentation methods have been developed, including ablative therapies and topical depigmenting agents.
Few large clinical trials reported the usefulness of topical depigmenting agents without reliable results.
Piroxicam is a non-steroidal anti-inflammatory drug (NSAID) characterized by a non-selective COX-1 and COX -2 inhibition activity.
COX-2 and PGE2 in the skin are involved in melanin production in melanocytes and skin tissutal tyrosinase expression.
Inhibition of COX-2 in melanocytes decreased tyrosinase enzyme activity and alpha-melanocyte stimulating hormone (α-MSH) involved in melanin syntesis.

Objective: A pilot study was conducted to assess the efficacy of new medical device with piroxicam 0,8 and suscreen filter 50 + on multiple solar lentigines of the hand and trunk in sun damaged skin.

Materials and method: 30 patients were randomly enrolled to treat solar lentigo with piroxicam 0,8% and sunscreen filter 50 + on twice daily for 24 weeks.
The skin lesions were evaluated by clinical, and dermoscopic aspects and by reflectance confocal microscopy at week 0, week12, week 24 as well as 4 weeks following treatment withdrawal.

Results: Results about the therapeutic role of piroxicam and sunscreen filter 50+ on solar lentigo were presented and discussed.

Conclusion: In our patients we documented the biologic effect of this medical device in reducing freckle pigmentation of the hands and trunk in photodamaged skin.