

**Abstract N°: 3205****Tirbanibulin 1% ointment for solar lentigines on the dorsal hands**

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Introduction & Objectives:

Tirbanibulin 1% ointment is approved for the treatment of actinic keratosis, exerting its effects through inhibition of tubulin polymerization and Src kinase signaling. Recent observations suggest a potential skin-lightening effect of tirbanibulin. However, its application for solar lentigines have not yet been explored in the dorsal hands.

Materials & Methods:

A 80-year-old man with multiple solar lentigines on the dorsal hands underwent topical treatment with tirbanibulin 1% ointment, applied once daily for five consecutive days. No other topical agents or procedures were performed during the observation period. Clinical evaluation and photographic documentation were performed at baseline and at day 57 post-treatment.

Results: At 57 days, complete resolution of the lentigines was observed, with overall improvement in skin texture. The treated area demonstrated visible rejuvenation and a reduction in dyschromia, with no adverse events reported beyond moderate, transient erythema. These findings suggest a dual action of tirbanibulin, involving both anti-aging and skin-lightening effects.

Conclusion: To our knowledge, this is the first case of complete solar lentigo clearance on the hands following tirbanibulin therapy. These preliminary findings warrant further investigation about the cosmetic and dermatological potential of tirbanibulin for pigmentary disorders and photoaging.

