PHOTOTHERAPY, PHOTODYNAMIC THERAPY

EXCIMER LASER VERSUS LAMP IN LOCALIZED AND SEGMENTAL VITILIGO

A Lubkov [(1)] *- Mc Briones* [(1)]

Centro Privado De Piel Eup, Departamento De Fototerapia, Guayaquil, Ecuador [(1)]

Background: Vitiligo is an acquired pigment disorder characterized by areas of depigmented skin resulting from the loss of epidermal melanocytes. Its etiology remains unknown, although several hypotheses have been described. Its prevalence is 0.5-1% worldwide, with varying rates depending on skin phototype population.

Materials and methods: This study was designed as an observational retrospective cohort in patients with localized or segmental vitiligo receiving excimer laser or lamp. It aims to seek difference between laser and lamp in patients with repigmentation rate above 50%.

Results: From 342 lesions (309 localized vitiligo and 33 segmental vitiligo), 127 lesions received excimer lamp, while 214 received excimer laser. In the laser group 96 (44.7%) had a repigmentation rate above 75% and 45 (20.9%) above 50%; while in the lamp group 48 (37.8%) had a repigmentation rate above 75%, and 30 (23.6%) above 50%. There was no statistically difference (p=0.3) between the groups.

Conclusions: There is no difference in treatment with excimer laser versus lamp in patients achieving a repigmentaion rate above 50%.