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Onychomycosis: 1064-nm Nd: YAG q-switch laser treatment

Hector Ricardo Galvan Garcia
University of Guadalajara, Mexico

Laser treatment of onychomycosis is a quick and easy method without complications. Two hundred patients with a KOH (25%) and glycerol (5%) (1 hour at 51-54 °C) for lipid emulsification, and mycological structures were identified under 3400x magnification(+), onychoscopy (jagged edge and longitudinal striae, positive), confirmed clinical diagnosis of onychomycosis were included in the present study(patients of all ages who had not previously received any type of treatment were included). All of the patients were treated in a single session (with a 1064-nm neodymium-doped yttrium-aluminum garnet (Nd:YAG) q-switch laser (600 mJ 3Hz. Spot 3 mm). There was a 100% clinical response rate within the 18-month follow-up period with no side effects. Thus, this method is proposed as a novel and safe method for the treatment of this unguis pathology, in all of its clinical manifestations, including in the hands and feet and all age groups, without side effects.

Biography

Hector Ricardo Galvan Garcia has completed his MD at the age 25 years from Guadalajara University and Postdoctoral studies from Institute of Dermatology of Jalisco. He is Director of Hospital Dermatology Dermoquirurgica in Jalisco, Mexico and has published more than 20 papers in reputed journals and serving as an Editorial Board Member of repute.

doctorricardogalvan@hotmail.com

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