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> Oral Surg Oral Med Oral Pathol Oral Radiol, 113 (6), e25-9 Jun 2012

Orofacial Granulomatosis Treated With Low-Level Laser Therapy: A Case Report

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Abstract

Objectives: We report a case of orofacial granulomatosis successfully treated with low-level laser therapy (LLLT).

Study design: LLLT was delivered through a diode laser device (Lasemar Eufoton, Trieste, Italy) with the use of a 4-cm defocalized lens and power of 1 W. Treatment was administered in sessions of 5 irradiations of 1 minute each, with a 1-minute interval between 2 subsequent irradiations (power density 0.08 W/cm²; fluence/application: 4.8 J/cm²; fluence/session: 24 J/cm²). Laser therapy was repeated 12 times (3 times per week).

Results: After 2 weeks of LLLT applications, the patient reported an improvement of symptomatology as well as a decrease of labial swelling. Complete healing was observed after 1 month. The patient was followed for 2 years. No recurrence of swelling was observed during the follow-up.

Conclusions: Advantages of the LLLT approach include an absence of side effects, analgesic properties (usually reported after first application), and good patient compliance.

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