

## Low-level laser therapy is an important tool to treat disorders of the maxillofacial region (TMJ).

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**OBJECTIVES:** The authors report on the effects of low-level laser therapy (LLLT) in the treatment of maxillofacial disorders. **SUMMARY AND BACKGROUND DATA:** Further to our previous studies, this paper reports the results of the use of LLLT on the treatment of several disorders of the oral and maxillofacial region. This paper presents LLLT as an effective method of treating such disorders. **METHODS:** Two hundred and five female and 36 male patients ages between 7 and 81 years old (average 38.9 years old), suffering from disorders of the maxillofacial region, were treated with 632.8, 670, and 830 nm diode lasers at the Laser Center of the Universidade Federal de Pernambuco, Recife, Brazil (UFPE). The disorders included temporomandibular joint (TMJ) pain, trigeminal neuralgia, muscular pain, aphatae, inflammation, and tooth hypersensitivity postoperatively and in small hemangiomas. Most treatment consisted of a series of 12 applications (twice a week) and in 15 cases a second series was applied. Patients were treated with an average dose of 1.8 J/cm<sup>2</sup>. **RESULTS:** One hundred fifty four out of 241 patients were asymptomatic at the end of the treatment, 50 improved considerably, and 37 were symptomatic. **CONCLUSIONS:** These results confirm that LLLT is an effective tool and is beneficial for the treatment of many disorders of the maxillofacial region.

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