

Photobiomodulation with Low-Level Laser in the Treatment of Trismus after Radiotherapy: A Case Report

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Abstract

Importance: Radiotherapy is one of the treatments for cancer treatment, which leads to many oral side effects that affect the quality of life of the patient; among them, trismus is considered. Considering the various therapies to treat this collateral effect of radiotherapy, photobiomodulation (PBM) with low level laser is a contemporary alternative. In this article, all clinical case report is presented in which the patient was given trismus after radiotherapy and PBM with low level laser. The measurement of the buccal opening was evaluated in each treatment session with a digital caliper, and the pain was evaluated through the Visual analogue scale (VAS). The efficacy of the photobiomodulation protocol on the trismus after radiotherapy was evidenced by the decrease of pain and increase of the buccal opening.

Biography

Christian Bernal Rodriguez was born in Lima-Perú. He did pos degree (2010) in Implants and Periodontal Tissues by the Javeriana's University (Bogotá, Colombia). He is a specialist in Dental Aesthetics from the University Científica del Sur (Lima, Perú)(2014). Christian finished his master's degree in Restorative Dentistry and Laser at the University of Sao Paulo (Brazil) in 2017. Christian is currently in the last semester of the doctorate in laser at the Sao Paulo University and Professor of Aesthetic Dentistry and Laser at the University of Sao Paulo. His research area is currently cancer, laser, dental sensitivity and facial paralysis, with some publications in that area and with collaboration in some book chapters.

Publications

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Global Summit on Dermatology and Cosmetology, London, UK | 8th-9th June, 2020

Citation: Christian Bernal Rodriguez, *Photobiomodulation with Low-Level Laser in the Treatment of Trismus After Radiotherapy: A Case Report*, Dermatology Summit 2020, Global Summit on Dermatology and Cosmetology, London, UK, June 8-9, 2020, 03:02-2