

## Effect of Polarized Light Therapy on Oral Mucositis in Cancer Patients Receiving Chemotherapy

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**Abstract :** The purpose of this paper is to determine the efficacy of polarized light therapy for chemotherapy-treated cancer patients who have oral mucositis. Methods of evaluation are the measurement of the WHO oral mucositis scale and the common toxicity criteria scale. Methods: Thirty cancer patients receiving chemotherapy (males and females) who had oral mucositis and ulceration pain, and their ages ranged from 30 to 55 years, were divided into two groups. Group (A), composed of 15 patients, received the Bioptron light therapy (BLT) in addition to the routine medical care of oral mucositis. Group (B) received only the routine medical care of oral mucositis; the duration of the BLT application was 10 minutes applied daily for 30 days. Results and conclusion: Results showed that the application of the BLT had valuable healing effects on oral mucositis in cancer patients receiving chemotherapy, as evidenced by the high decreases of the WHO oral mucositis scale and the common toxicity criteria scale.

**Keywords :** Bioptron light therapy, oral mucositis, WHO oral mucositis scale, common toxicity criteria scale

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