



Low Level Laser Versus Polarized Light Therapy on Oral Mucositis in Cancer Patients Receiving Chemotherapy

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Abstract:**Purpose:** to evaluate the efficacy of low level laser versus polarized light therapy on oral mucositis in cancer patients receiving chemotherapy. Methods of evaluation (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, ulceration pain and their ages ranged from 30 to 55 years were divided into two groups. Group (A) composed of 15 patients received the low level laser in addition to the routine medical care of oral mucositis. Group (B) received the Bioptron light therapy (BLT) in addition to the routine medical care of oral mucositis, duration of laser or BLT application was 10 minutes applied daily for 30 days. **Results and conclusion:-** Results showed that application of both low level laser and BLT had a valuable healing effects on oral mucositis in cancer patients receiving chemotherapy. But low level laser was more effective and beneficial than BLT as evidenced by the highly significant decreases of the WHO oral mucositis scale and the common toxicity criteria scale.

Key words:Low level laser, Bioptron light therapy, Oral mucositis, WHO oral mucositis scale and Common toxicity criteria scale).