PHOTOBIOMODULATION THERAPY IN ORAL MUCOSAL LESIONS - A SYSTEMATIC REVIEW

AUTHOR: Dr. Bhagya Balakrishnan
1 year Postgraduate student,
Department of Oral medicine and Radiology
Bangalore Institute of Dental Sciences & Hospital,
Bangalore, Karnataka, India

GUIDED BY: Dr. Vathsala Naik
Prof & Head, Department of Oral medicine and Radiology
Bangalore Institute of Dental Sciences and Hospital,
Bangalore, Karnataka, India

BACKGROUND: Photo Biomodulation Therapy (PBMT) is a cascade of physiological events induced by the non-thermal exposure of tissue to light at the near infrared end of the visible spectrum. The main clinical effects of PBMT include analgesia, anti-inflammatory effect, and accelerated wound healing. It has become a recognized therapeutic modality for a range of pathologies, including oral disease conditions and a variety of complications of oral cancer treatments. A list of indications for PBMT in oral cancer patients has been proposed; however, the quality of available data for outcome of this therapeutic modality varies significantly. The aim of the study is to assess the significance of PBMT in various mucosal oral lesions.

RESEARCH QUESTION: Is the current concept of PBMT significant in the long-term therapeutics?

With the Medline, Cochrane and Medknow database(English literature) taken as a source for authenticated scientific research data, articles having undergone Randomized Control Trial based studies will be chosen and finally selected for the study after having met the criterion for Systematic Review.

RESULT: Since the study is still in progress, the result will be discussed on the day of presentation.

REFERENCES: