

ID: 4434

Congress: اولین کنگره درماتولوژی شمالغرب کشور

Title: Low level laser Therapy in dentistry

Authors: دکتر حسین اسلامی 1 دکتر نرگس قلیزاده 2

استادیار بیماریهای دهان-1

استادیار بیماریهای دهان-2

Abstract: Abstract:

Low Level Lasers are subset of laser therapy that is a virtually untapped commodity in dentistry, yet which would be a huge asset to a dental practice and its patients. Low Level Laser Therapy (LLLT) can benefit almost every aspect of a dental practice, regardless of whether it is a general dental practice or a dental specialist. Stimulation of endorphins; reduction in the conduction of nerve fibres that carry pulpal pain (c-fibres); stimulation of fibroblasts, osteoblasts and odontoblasts; and increased circulation and lymphatic drainage can all aid in improving clinical outcomes and decrease the pain felt by a patient after dental appointments.<sup>5</sup>

Some of the most frequently used clinical applications in dentistry include:

Post Surgical(decrease pain, swelling, bruising and inflammation after an extraction) ,Analgesia of primary tooth restorations, Decrease the gagging and nausea sensations, Dental Infections , Preparation and placement of implants, Facial Pain/Neuralgia, Dentin Hypersensitivity/Endodontics ,Soft Tissue Lesions.

One of the most interesting and useful aspects of LLLT is the safety. Lasers only elicit responses from cells that can utilize the energy produced, thus will have no negative effect on healthy cells. In the hundreds of studies done on laser therapy, no clinical side effects have been reported.

Conclusion :

A huge benefit of Low Level Laser Therapy is that patients see their dental practitioner doing something extra to reduce the pain or discomfort that may have been caused during the appointment. LLLT requires a paradigm shift; instead of using drugs to treat the pain after it has started, a dentist now has the opportunity to treat the pain immediately in the dental office. It is a benefit to the patient and dentist to investigate Low Level Laser Therapy, an untapped resource in the dental industry

Key words:Laser,Dentistry,application

Presentation: Oral