



Soft tissue application by Soft tissue diode laser (980 nm)

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Abstract:

Laser is a stimulated monochromatic coherent beam of radiation providing blood less field of operation. Excellent healing with minimum post operation pain and swelling. Laser dentistry has soft and hard tissues components. Hard tissue laser is absorbed in water and hydroxyapatite crystals, use a very high wavelength and is useful in deep cavity preparations with the effect of reparative dentine formations protecting pulp organ. RCT is made perfectly sterilized by completely removing smear layer in the dentinal tubules. Soft tissue laser is absorbed in chromophores (melanin and hemoglobin) with wavelengths ranging from 810 to 980 nm and is effective in laser bleaching, soft tissues surgeries, RCT, periodontal detoxification and surgeries, gum depigmentation and Photobiomodulation that is LLLT (Low level laser therapy) managing pain, muscle spasms and facial aesthetics. Cases of Gums depigmentation done by soft tissue diode laser using high power laser (3 watt) and LLLT (laser bandage 3 watt). Laser bleaching, lingual Frenectomy, herpetic ulcer, lip tag excision, gingival contouring, Pain therapy and facial aesthetic cases done by soft tissue diode laser with excellent results.



Publication of speakers:

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2. Kreisler, M.B; Al Haj, H; Noroozi, N; Willershausen, B; D'hoedt, B; 2004. Efficacy of low level laser therapy in reducing postoperative pain after endodontic surgery – A randomized double blind clinical study. Oral & Maxillofacial Surgery, 33(1), pp. 38-41.

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