## Treatment of Gingival Pigmentation with Er,Cr:YSGG Laser

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Purpose: Melanin hyperpigmented gingiva Is an esthetic problem In many indiVIduals, particularly if the hyperplgmentation Is on the facial aspect of gingiva and vISible during smile and speech, especially In padents with gummy smiles. Gingival depigmentation has been carried out using surge al. chemical, electrosurge al, and cryosurgical procedures. The two cases presented here show the successful depigmentation usong an Er.Cr:YSGG laser, and a short fOllow-up periOd 6 months) for repogmentation re>Uits.

Materials and Methods:An Er.Cr.YSGG hydrokinet>e system laser set at 20 H1, 1.75 W to t.SW, woth 20'o to 40% aor and 12% to S% water spray was used for removal of pigmented glingova In 2 patients. The pogmented areas were treated In noncontact mode, and both cases were completed during one appointment.

Results: Even though both cases were perfonned without any anesthesia, no Intra-operative or postoperative paon or discomfort appear«!. After 24 h. the lased gingiva was pardy covered woth a thon layer of fibrin, whiCh exfoloated dunng the Rrst week folloWing treatmenThe ablated wound healed almost completely "1 week.

Conclusion: These resultS pocnted out that YSGG \*\*\* – IS a good and safe choiCe for removal of pigmented &\*\*\* gMI wothout local anesthes.a. The postoperative penod is comfort<lble f0< the patient and healing of fast and good. No repogmentation ownered In either patient after 6 months.

Keywords: Er, Cr: YSGG. laser, hyperplgment< ltion, hydrokinetic system, depigmentation.

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