



University "Goce Delcev" – Shtip,
Faculty of medical sciences, Dental medicine,
Department of oral and maxillofacial surgery and dental implantology

The Use of Diode Laser in Soft Tissue Treatment Procedures - Case Report

**Kiro Papakoca¹, Gordana Papakoca², Ivona Kovacevska¹, Ana Radevska¹,
Katerina Zlatanovska¹**

¹University "Goce Delcev" Shtip, Faculty of Medical Sciences, General Dentistry;
²PHO Dent Estet Shtip;

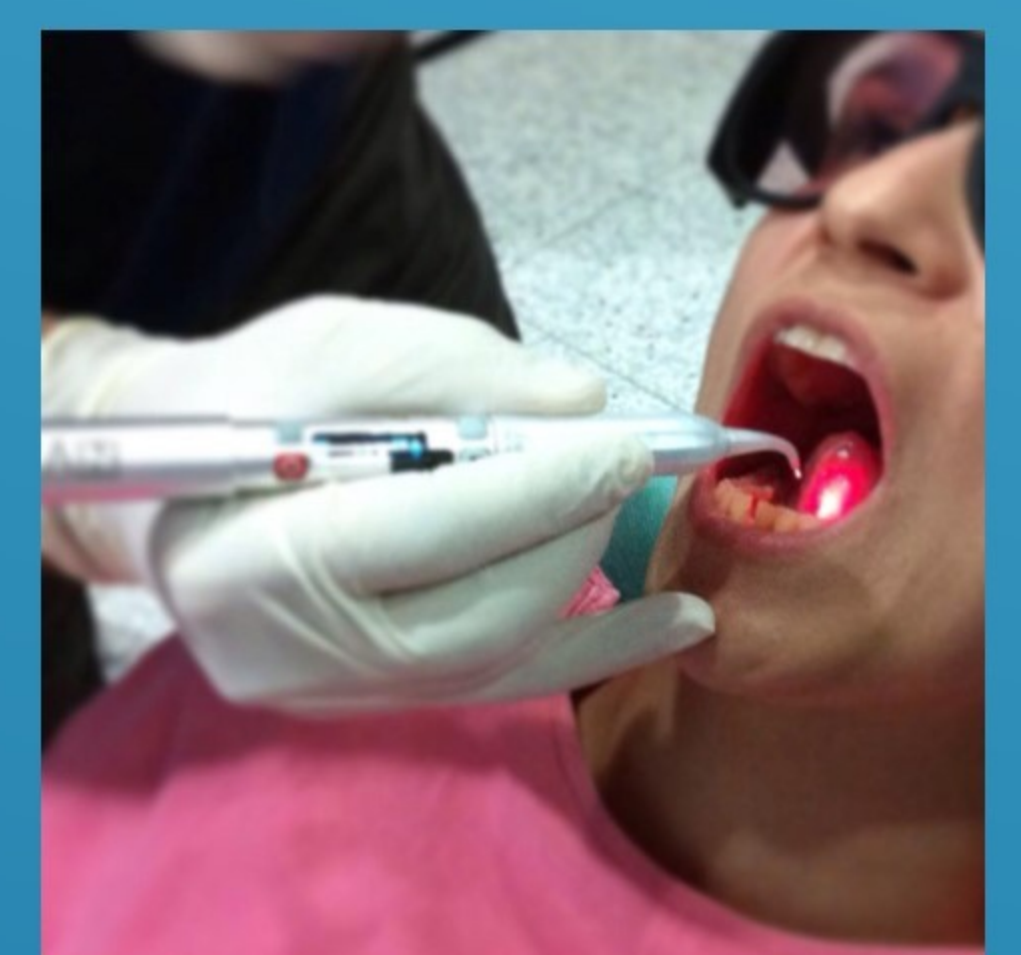
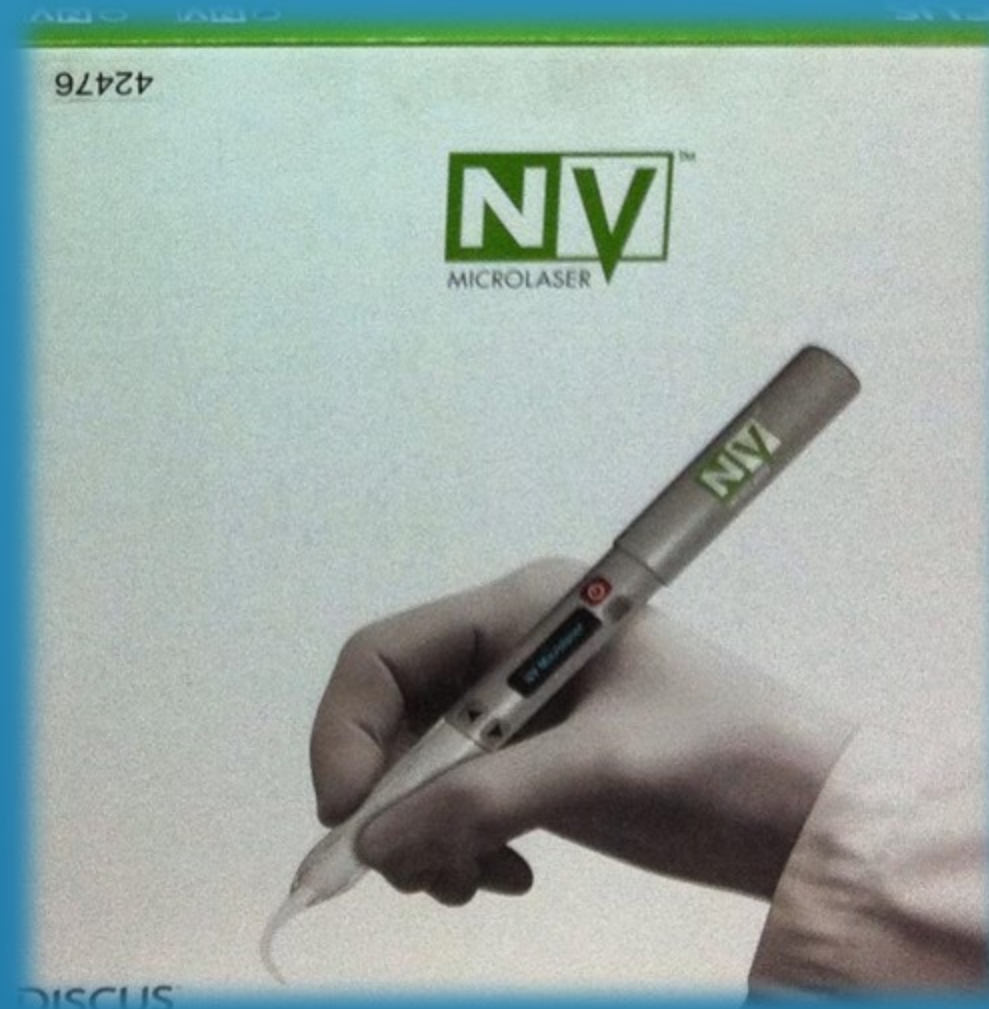
The aim - was to remark the indications about diode laser in gingivectomy as an adjunct to nonsurgical periodontal treatment in a subject undergoing fixed prosthodontic treatment with the dental crown.

Case report: Initial therapy was full mouth scaling, by hand and ultrasonic instrumentation and oral hygiene instructions. Female patient (39 years old) visited our clinic.

Diagnosis was gingival hypertrophy from the 1.3 to 2.3. Patient was advised diode laser gingivectomy (810 nm) as an adjunct to nonsurgical treatment. The diode laser gingivectomy was performed under local anaesthetic, applied for 5 minutes prior to operation. The gingivectomy was made with a power output of 1.2 W, continuous wave (CW).



Before therapy, During therapy, After 1 week of laser therapy



The diode laser we used for the procedure

Results: Useful of diode laser renders these procedures more than effective for majority of patients. Ablation was performed using light brushing strokes and the tip was kept in continuous motion.

Conclusion: Laser treatment can be completed quickly, painlessly, and with minimal side effects to the patients.