

ABSTRACT

Subject: MULTIDISCIPLINARY SEMEIOTICS AND CLINICAL EXPERIENCE IN LASER DIODE PERIODONTAL IMPLANTS, ENZYMES AND LIQUID OZONE

Purpose of the study:

Comparison of different **laser diode** technologies and the use of **natural biomaterials** designed to enhance physiological cellular activity to encourage the kinetic and production catabolic phenomena (ENZYMES) of natural antioxidative systems (OZONE and PGT Peptide glutathione) to achieve the treatment objectives of rapid healing and maintenance of the physiological alkaline balance, promoting the health of oral and periodontal tissue. The clinical experience presented will therefore provide an informed indication as to the choice of TECHNIQUES and NATURAL materials with a view to using treatments that facilitate and ACCELERATE care and healing.

Materials and Methods:

Three types of standardized treatments were evaluated and utilised as part of normal daily clinical practice relating to periodontics and implant surgery, comparing or combining different techniques and materials: **Laser diode, Natural enzyme gel, Liquid ozone** also exploiting the synergic application of the three treatments, considering 1) recovery times, 2) the extent of recovery and healing of periodontal tissue after implant surgery. Of special note, the opportunity of having the prodigious properties of an **OZONE liquid gas** available # (in surgical methods applied to date, a large share of the gaseous OZONE is dispersed, greatly reducing its benefits), which was applied by washing the site treated immediately after grooming and laser diode treatment to benefit from the biodynamic properties of the PGT (peptide glutathione powerful natural antioxidant) stimulated immediately and supporting natural healing through the application of **ENZYMES**, with cicatrising properties, inducing cellular kinetics, which in a few seconds results in the reproduction of thousands of new cells.

Conclusions:

The clinical cases produced for study and comparison showed that the use of laser diodes pursued the objective of a rapid cicatrization process, with a consequent improvement in tissue appearance. **The application of GelEnzyme and LiquidOzone in parallel led to early healing with symptomatic post-operative pain relief and the desired extent of re-epithelialization of the tissue.** Moreover, the synergy of the different systems combined is certainly recommended if one is seeking to achieve 1) immediate haemostasis and pain relief, 2) rapid cicatrization, 3) healing with significant extent of tissue regrowth in a few days.

product in process of classification 2-A

Bibliography:

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