



第25回

日本レーザー歯学会 総会・学術大会 プログラム・講演抄録集

～ 光が織りなす様々な治療法 *Enlightenment in Laser Dentistry*



会期

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会場

住友不動産ベルサール新宿グランド
東京都新宿区西新宿 8-17-3

インプラントメンテナンス, CIST システムの一要素として Er:YAG レーザーを用いた 1 症例
A case using Er:YAG laser as one component of cumulative interceptive supportive
therapy (CIST) system for implant maintenance

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【Purpose】

Recently, a maintenance system known as cumulative interceptive supportive therapy (CIST) was proposed by Prof. Lang. CIST states that the detection and treatment of early pathogenic changes during follow-up maintenance visits can prevent peri-implant soft tissue inflammation and progressive bone loss. Schwarzf et.al, have reported that non-surgical periodontal treatment with Er:YAG laser led to significant improvements in all clinical parameters of periodontal disease. In this presentaion, a case using CIST system to maintain implants will be reported and the role of Er:YAG laser in CIST system will also be considered.

【Case】

Female, 39 years old, 158cm, 46Kg. First visit: 27, April, 2009. Complaints: bleeding in No22. Clinical examination showed PD was 5mm and BOP in the deepest site was positive in No.21 and 22. Under IV sedation, rough surface titanium implants were placed simultaneously with bone augmentation after teeth extraction 3, June 2009. A secondary surgery was performed 6 months later and the superstructures were set 23 December 2009. Initially after implant treatment, daily care was undertaken by patient under diagnoses as protocol B. SRP was performed by dental hygienist at the first recall. PMTC was performed monthly since then. Pus discharge and slight bone loss were observed in No.22 in 2012. Antiseptic treatment for peri-implant tissue was performed at home and at the clinic. However, the pus discharge continued. Under diagnoses as protocol D, antibiotic therapy using azithromycin hydrate and surgical debridement were performed.

【Results】

Inflammatory findings were not observed although deep periodontal pocket remained.

【Discussion and conclusion】

It is important that this system should be managed in cooperation with patients, hygienists and dentists. Systematic treatment and continuous monitoring of peri-implant tissue conditions are included in CIST system. Dependent on the circumstances, make-up of staff, equipment, CIST can be adapted for each clinic. It will be more useful and effective.

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