

Comparison between the Traditional Gingival Treatment with Er, Cr:YSGG Laser in the Treatment of Periodontitis

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Background: This study aims to evaluate the efficacy of Er, Cr:YSGG laser assisted periodontal therapy on the reduction of periodontal disease.

Methods: 72 patients with chronic periodontitis were included in the study and allocated into two groups each containing 36 patients. Conventional periodontal therapy was performed in group 1 and conventional periodontal therapy was performed in association with Er, Cr:YSGG application in group 2.

Periodontal parameters of probing depth, plaque index, clinical attachment level and bleeding on probing were measured with a periodontal probe. All values were taken before the treatment and after 3 and 6 months of the treatment.

Results: All the parameters values at post-treatment were significantly decreased in group 2 ($p < 0.05$)

Conclusions: Er, Cr:YSGG laser assisted conventional periodontal therapy is very effective in improving periodontal healing compared to conventional periodontal therapy alone.

Keywords: Er, Cr:YSGG laser; chronic periodontitis; meta-analysis; non-surgical periodontal treatment; scaling and root planning.

Biography:

Dr. Anas Karkout has been practicing Dental Laser since 2012. He has published on this subject in the Asia and the Middle East. Dr. Karkout was a guest lecturer in India, UAE, Lebanon and Syria. He holds a master degree in Dental Laser (Damascus University).