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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4906144>

Jun 13, 2016 · INTRODUCTION. Chronic periodontal disease results from inflammation of the supporting structures of the teeth in response to chronic infections caused by various periodontopathic bacteria [1]. Bacterial biofilm plays a key role in the etiology of periodontitis [2]. Specifically, the challenge of periodontopathogens and their virulence factors may induce the release of pro-inflammatory cytokines ...

Cited by: 2 Author: Rana Al-Falaki, Mark Cronshaw, Steven Par...

Publish Year: 2016

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American Academy of Periodontology ... - Wiley Online Library

<https://aap.onlinelibrary.wiley.com/doi/full/10.1002/JPER.17-0356>

Apr 25, 2018 · Current evidence suggests that, as an adjunct to conventional periodontal therapy, appropriate laser therapy may provide a modest additional benefit (< 1 mm) in clinical improvement in probing depth and clinical attachment level (CAL) compared with traditional forms of periodontal therapy in the treatment of moderate to severe chronic and ...

Cited by: 19 Author: Michael P Mills, Paul S. Rosen, Leandro Ch...

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Diode Laser Offers Minimal Benefit for Periodontal Therapy ...

<https://www.aegisdentalnetwork.com/cced/2012/04/...>[Subgingival Curettage](#) Reduction in Subgingival Bacte... Case Report

Laser-mediated periodontal therapy is based on the perceived benefits of subgingival curettage and a significant decrease in subgingival bacterial load. In addition, two laser manufacturers have declared protocol-specific benefits: 1) one company received FDA 510(K) clearance for its "assisted new attachment procedure" protocol, ie, reducing pocket probing depth by a cementum-mediated periodontal ligament (PDL) new attach...

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Clinical attachment level gain of lasers in scaling and ...

<https://link.springer.com/article/10.1007/s10103-019-02875-5>

Nov 05, 2019 · Chronic periodontitis is one of the most prevalent oral diseases around the world. It was reported that in 2013, the prevalence of periodontitis in the US population aged 30 years or older was 47.2% [1]. Meanwhile, in 2010, the prevalence of clinical attachment loss ≥ 3 mm was 95.0% among 35 to 44 years old in Germany [2]. According to the fourth national oral health survey of China in 2018, the ...

Cited by: 7 Author: Liying Jia, Jinhai Jia, Meng Xie, Xiaoxiao Z...

Publish Year: 2020

Residual periodontal pocket treatment with Er:YAG laser ...

<https://link.springer.com/article/10.1007/s00784-021-04054-9> ▾

Jul 19, 2021 · The results of this study indicate that Er:YAG laser-assisted therapy is useful for the treatment of residual pockets as a minimally invasive flapless surgery. Clinical relevance. Er:YAG laser-assisted comprehensive pocket therapy reduces the necessity of more conventional surgical therapies.

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Author: Magdalena Pawelczyk-Madalińska, St... Publish Year: 2021

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 68201

Manuscript Type: ORIGINAL ARTICLE

Retrospective Study

Treatment effects and periodontal status of chronic periodontitis after routine Er:YAG laser-assisted therapy

Gao YZ *et al.* Er:YAG therapy for chronic periodontitis

Yong-Zhi Gao, Yan Li, Shan-Shan Chen, Bo Feng, Hui Wang, Qiao Wang

Abstract

BACKGROUND

As pre-clinical interventions, patients with chronic periodontitis often undergo routine

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