

Literaturliste

Die Verwendung des Er:YAG-Lasers in der Periimplantitis-Therapie

Prof. Tzi Kang Peng/China, Dr. Georgi Tomov/Bulgarien

Dental Tribune German Edition, 12/2012

1. Badran Z, Bories C, Struillou X, Saffarzadeh A, Verner C, Souedin A. (2011) Er:YAG laser in the clinical management of severe periimplantitis: A case report. *Journal of Oral Implantology* 37(sp1): 212-217.
2. Becker W, Becker BE, Newman MG, Nyman S. (1990) Clinical and microbiologic findings that may contribute to dental implant failure. *International Journal of Oral and Maxillofacial Implants* 5:31–38.
3. Deppe H, Horch HH, Neff A. (2007) Conventional versus CO₂ laserassisted treatment of peri-implant defects with the concomitant use of pure-phase beta-tricalcium phosphate: A 5-year clinical report. *International Journal of Oral and Maxillofacial Implants* 22(1): 79-86.
4. Gonçalves F, Zanetti AL, Zanetti RV, Martelli FS, Avila-Campos MJ, Tomazinho LF et al. (2010) Effectiveness of 980-mm Diode and 1064-nm extra-long-pulse neodymium-doped yttrium aluminium garnet lasers in implant disinfection. *Photomedicine and Laser Surgery* 28(2): 273-280.
5. Gosau, M; Hahnel, S ; Schwarz, F ; Gerlach, T ; Reichert, T E.; Burgers, R (2010) Effect of six different peri-implantitis disinfection methods on in vivo human oral biofilm. *Clinical Oral Implants Research*. 21(8):866-872.
6. Grunder U, Hurzeler MB, Schupbach P, Strub JR. (1993) Treatment of Ligature-Induced Periimplantitis Using Guided Tissue Regeneration: A Clinical and Histologic Study in the Beagle Dog. *Int J Oral Maxillofac Implants*;8:282-292.
7. Karring ES, Stavropoulos A, Ellegaard B, Karring T. (2005) Treatment of peri-implantitis by the Vectors system. A pilot study. *Clinical Oral Implants Research* 16: 288–293.
8. Kreisler, M., Kohnen, W., Marinello, C., Gotz, H., Duschner, H., Jansen, B. & d'Hoedt, B. (2002) Bactericidal effect of the Er: YAG laser on dental implant surfaces: an in vitro study. *Journal of Periodontology* 73, 1292–1298.
9. Kreisler M, Götz H, Duschner H. (2002) Effect of Nd:YAG, Ho:YAG, Er:YAG, CO₂, and GaAlAs laser irradiation on surface properties of endosseous dental implants. *Int J Oral Maxillofac Implants* 17(2):202-11.
10. Lavigne SE, Krust-Bray KS, Williams KB, Killoy WJ, Theisen E. (1994) Effects of subgingival irrigation with chlorhexidine on the periodontal status of patients with HA-coated Integral dental implants. *International Journal of Oral and Maxillofacial Implants* 9: 156-162.
11. Lindhe J, Meyle J. (2008) Peri-implant diseases: Consensus report of the sixth European workshop on periodontology. *Journal of Clinical Periodontology* 35(suppl 8): 282-285.

12. Mann M, Parmar D, Walmsley AD, Lea SC. (2011). Effect of plastic covered ultrasonic scalers on titanium implant surfaces. *Clinical Oral Implants Research* Volume 23, Issue 1, pages 76–82, January 2012
13. Matarasso S, Quaremba G, Coraggio F, Vaia E, Cafiero C, Lang NP. (1996) Maintenance of implants: An in vitro study of titanium surface modifications subsequent to the application of different prophylaxis procedures. *Clinical Oral Implants Research* 7: 64-72
14. Matsuyama, T., Aoki, A., Oda, S., Yoneyama, T., Ishikawa, I, (2003) Effects of the ErYAG Laser Irradiance on Titanium Implant Materials and Contaminated Implant Abutment Surfaces, *J Clin Med Surg*,21(1):7-17
15. Miller RJ. (2004) Treatment of the contaminated implant surface using the Er,Cr:YSGG laser. *Implant dentistry* 13(2): 165-169
16. Mombelli A, Lang NP. (1992) Antimicrobial treatment of periimplant infections. *Clinical Oral Implants Research* 3: 162–168.
17. Mombelli A, Lang NP. (1998) The diagnosis and treatment of periimplantitis. *Periodontology 2000* 17: 63-76.
18. Ntouka VI, Slot DE, Louropoulou A, Van der Weijden F. (2011) The effect of chemotherapeutic agents on contaminated titanium surfaces: a systematic review. *Clin. Oral Impl.* 22(1):62–68
19. Nuesry E, (2006) Influence of an Erbium, Chromium doped Yttrium Scandium Gallium Garnet (Er, Cr:YSGG) laser on the re-establishment of the biocompatibility of contaminated titanium implant surfaces. (Dissertation), Heinrich Heine Universität Düsseldorf
20. Park CY, Kim SG, Kim MD, Eom TG, Yoon JH, Ahn SG. (2005) Surface properties of endosseous dental implants after NdYAG and CO₂ laser treatment at various energies *J Oral Maxillofac Surg.* 63(10):1522-7
21. Persson GR, Jansåker AMR, Lindahl C, Renvert S. (2011) Microbiological results following non-surgical Er:YAG laser or air-abrasive treatment of peri-implantitis. A randomized clinical trial. *Journal of Periodontology* 82 (9): 1267-1278,
22. Peters N, Tawse-Smith A, Leichter J, Tompkins G (2012) Laser therapy: the future of peri-implantitis management? *Braz J Periodontol* 22(1):23-29
23. Quirynen M, Van Der Mei HC, Bollen CML, Schotte A, Marechal M, Doornbusch GI (1993) An in vivo study of the influence of the surface roughness of implants in microbiology of supra- and subgingival plaque *Journal of Dental Research* 72: 1304–1309.
24. Quirynen M, De Soete M, Van Steenberghe D. (2002) Infectious risks for oral implants: A review of the literature. *Clinical Oral Implants Research* 13:1–19.
25. Reyhanian A, Fuhrman N, Loannou C. (2011) Laser assisted immediate implantation at infected site. *Laser international magazine of laser dentistry* 2:,6–10.
26. Reyhanian A, Coluzzi D (2011) Peri-Implantitis Therapy with an Er:YAG Laser *J Laser Dent*;19(3):276-281
27. Renvert S, Lindahl C, Roos Jansåker AM, Persson GR. (2011) Treatment of peri-implantitis using Er:YAG laser or an air-abrasive device: A randomized clinical trial. *Journal of Clinical Periodontology* 38: 65–73.
28. Romanos G, Ko HH, Froum S, Tarnow D. (2009) The use of CO₂ laser in the treatment of peri-implantitis. *Photomedicine and Laser Surgery* 27(3): 81–386.

29. Romanos GE, Gutknecht N, Dieter S, Schwarz F, Crespi R, Sculean A. (2009) Laser wavelengths and oral implantology. *Lasers Med Sci*. 24(6):961-70.
30. Schwarz F, Bieling K, Nuesry E, Sculean A, Becker J. (2006) Clinical and histological healing pattern of peri-implantitis lesions following non-surgical treatment with an Er:YAG laser. *Lasers Surgery in Medicine* 38: 663–671
31. Schwarz F, Sahm N, Iglhaut G, Becker J. (2011) Impact of the method of surface debridement and decontamination on the clinical outcome following combined surgical therapy of peri-implantitis: A randomized controlled clinical study. *Journal of Clinical Periodontology* 38: 276–284.
32. Schwarz F., Bieling K, Sculean A, Herten M, Becker J. (2004) Treatment of Peri-Implantitis with Laser or Ultrasound. A Review of the Literature. *Schweiz Monatsschr Zahnmed.*;114:1228-35
33. Schwarz F, Ferrari D, Popovski K, Hartig B, Becker J (2009) Influence of different air-abrasive powders on cell viability at biologically contaminated titanium dental implants surfaces *Journal of Biomedical Materials Research Part B: Applied Biomaterials* 88B(1):83–91
34. van de Velde E, Thielemans P, Schautteet H, Vanclooster R. (1991) Subcutaneous emphysema of the oral floor during cleaning of a bridge fixed on a IMZ implant: Case report. *Rev Beige Med Dent*;46:64-71.
35. Takasaki, A. A., Aoki, A., Mizutani, K., Kikuchi, S., Oda, S. & Ishikawa, I. (2007) Er: YAG laser therapy for peri-implant infection: a histological study. *Lasers in Medical Science* 22, 143–157.