

## Literaturliste

### **Laser in der Parodontologie**

Olaf Oberhofer, M Sc./Erwitte

Laser Journal 3/2012

1. Aoki et al. In vitro studies on laser scaling of subgingival calculus with an erbium:YAG laser, J Periodontol. 1994 Dec;65(12):1097-106.
2. Arcoria et al., The effects of low-level energy density Nd:YAG irradiation on calculus removal, J Clin Laser Med Surg. 1992 Oct;10(5):343-7.
3. Braun et al. , Short-term clinical effects of adjunctive antimicrobial photodynamic therapy in periodontal treatment: a randomized clinical trial, J Clin Periodontol. 2008 Oct;35(10):877-84.
4. Cobb et al., A preliminary study on the effects of the Nd:YAG laser on root surfaces and subgingival microflora in vivo, J Periodontol. 1992 Aug;63(8):701-7.
5. Crespi et al. Effects of Er:YAG laser compared to ultrasonic scaler in periodontal treatment:  
a 2-year follow-up split-mouth clinical study, J Periodontol. 2007 Jul;78(7):1195-200.
6. de Micheli et al, Efficacy of high intensity *diode laser as an adjunct* to non-surgical periodontal treatment: a randomized controlled trial, Lasers Med Sci. 2011 Jan;26(1):43-8.
7. Derdilopoulou et al Microbiological findings after periodontal therapy using curettes, Er:YAG laser, sonic, and ultrasonic scalers. J Clin Periodontol. 2007 Jul;34(7):588-98.
8. Drisko CL, Cochran DL, Blieden T, Bouwsma OJ, Cohen RE, Damoulis P, Fine JB, Greenstein G, Hinrichs J, Somerman MJ, Iacono V, Genco RJPosition paper: sonic and ultrasonic scalers in periodontics. Research, Science and Therapy Committee of the American Academy of Periodontology. J Periodontol. 2000 Nov;71(11):1792-801.
9. Flemmig T F, BeiklerT, Contol of oral biofilms, Periodontology 2000, Vol.55, 2011, 9-15.
10. Gaspirc et al. Clinical evaluation of periodontal surgical treatment with an Er:YAG laser: 5-year results J Periodontol. 2007 Oct;78(10):1864-71.
11. Ishikawa et al.: Journal of the international Academy of Periodontology 1.2003.
12. Ishikawa et al., Application of lasers in periodontics: true innovation or myth? Periodontol 2000, 2009;50:90-126.
13. Izumi et al. Current and future periodontal tissue engineering , Periodontology 2000, Vol.56, 2011,166-187.
14. Kreisler et al., Intrapulpal temperature changes during root surface irradiation with an 809-nm GaAlAs laser, Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2002 Jun;93(6):730-5.

15. Lin J et al., Efficacy of high intensity diode laser as an adjunct to non-surgical periodontal treatment: a randomized controlled trial, *Lasers Med Sci.* 2011 Jan;26(1):7-11.
16. Michaelis, *Parodontitis 2010 - Das Risikokompendium*, Quintessenz Verlag 2011.
17. Mizutani et al. Periodontal tissue healing following flap surgery using an Er:YAG laser in dogs. . *Lasers Surg Med.* 2006 Apr;38(4):314-24.
18. Miyazaki et al., Effects of Nd:YAG and CO<sub>2</sub> laser treatment and ultrasonic scaling on periodontal pockets of chronic periodontitis patients. *J Periodontol.* 2003 Feb;74(2):175-80.
19. Moritz et al., Bacterial reduction in periodontal pockets through irradiation with a diode laser: a pilot study, *J Clin Laser Med Surg.* 1997 Feb;15(1):33-7.
20. Morlock et al., The effect of Nd:YAG laser exposure on root surfaces when used as an adjunct to root planing: an in vitro study, *J Periodontol.* 1992 Jul;63(7):637-41.
21. Polansky et al., Clinical effectiveness of photodynamic therapy in the treatment of periodontitis, *J Clin Periodontol.* 2009 Jul;36(7):575-80.
22. Quadri et al., Long-term effects of a single application of a water-cooled pulsed Nd:YAG laser in supplement to scaling and root planing in patients with periodontal inflammation, *Lasers Med Sci.* 2010 Jun 27.
23. Rühling et al. Photodynamic therapy of persistent pockets in maintenance patients-a clinical study, *Clin Oral Investig.* 2010 Dec;14(6):637-44.
24. Schlagenhauf, Eickholz, dgp.news 1. 2011.
25. Schwarz et al. Effect of an Er:YAG laser on periodontally involved root surfaces: an in vivo and in vitro SEM comparison, *Lasers Surg Med.* 2001;29(4):328-35.
26. Schwarz et al., In vivo and in vitro effects of an Er:YAG laser, a GaAlAs diode laser, and scaling and root planing on periodontally diseased root surfaces: A comparative histologic study, *Lasers Surg Med* 32: 359-366 (2003).
27. Schwarz et al.: Periodontal treatment with an Er: YAG laser or scaling and root planing. A 2 year follow up split-mouth study, *J Periodontol* 74: 590-596 (2003).
28. Schwarz et al. Immunohistochemical characterization of periodontal wound healing following nonsurgical treatment with fluorescence controlled Er:YAG laser radiation in dogs, *Lasers Surg Med.* 2007 Jun;39(5):428-4.
29. Schwarz F, Aoki A, Becker J, Sculean A Laser application in non-surgical periodontal therapy a systematic review *J Clin Periodontol.* 2008 Sep;35(8 Suppl):29-44.
30. Slot et al.: The effect of a pulsed Nd:YAG laser in non-surgical periodontal therapy, *J Periodontol.* 2009 Jul;80(7):1041-56.
31. Haffajee AD, Cugini MA, Tanner A, Pollack RP, Smith C, Kent RL Jr, Socransky SS. Subgingival microbiota in healthy, well-maintained elder and periodontitis subjects. *J Clin Periodontol.* 1998 May;25(5):346-53.
32. Walmsley AD, Lea SC, Landini G, Moses AJ Advances in power driven pocket/root instrumentation. *J Clin Periodontol.* 2008; 35 (Suppl. 8): 22-28gf.