

Literatur

Oberflächendekontamination biofilmbesiedelter Implantatoberflächen – PDT versus Diodenlaser

Dr. Gordon John, Prof. Dr. Frank Schwarz, Prof. Dr. Jürgen Becker

Oralchirurgie Journal 2/14

1. Zitzmann NU, Berglundh T. Definition and prevalence of peri-implant diseases. *J Clin Periodontol* 2008; 35: 286-291.
2. Lindhe J, Meyle J. Peri-implant diseases: Consensus report of the sixth European Workshop on Periodontology. *J Clin Periodontol* 2008; 35 (Suppl.8): 282-285.
3. Pontoriero R, Tonelli MP, Carnevale G, Mombelli A, Nyman SR, Lang NP. Experimentally induced peri-implant mucositis. A clinical study in humans. *Clin Oral Impl Res* 1994; 5: 254-259.
4. Esposito M, Grusovin MG, Coulthard P, Worthington HV (2008) The efficacy of interventions to treat peri-implantitis: a Cochrane systematic review of randomised controlled clinical trials. *Eur J Oral Implantol* 1(2):111–125.
5. Fox, S.C., Moriarty, J.D. & Kusy, R.P. (1990) The effects of scaling a titanium implant surface with metal and plastic instruments: an in vitro study. *Journal of Periodontology* 61:485–490.
6. Takasaki AA, Aoki A, Mizutani K, Schwarz F, Sculean A, Wang CY, Koshy G, Romanos G, Ishikawa I, Izumi Y. Application of antimicrobial photodynamic therapy in periodontal and peri-implant diseases. *Periodontol* 2000. 2009;51:109-40.
7. Silva Garcez. A., Nunez, S.C., Lage–Marques, J.L., Jorge, A.O., and Ribeiro, M.S. (2006). Efficiency of NaOCl and laser-assisted photosensitization on the reduction of *Enterococcus faecalis* in vitro. *Oral Surg. Oral Med. Oral Pathol. Oral Radiol. Endod.* 102: 93–98.
8. Fonseca, M.B., Ju´nior, P.O., Pallota, R.C., Filho, H.F., Denardin, O.V., Rapoport, A., Dedivitis, R.A., Veronezi, J.F., Genovese, W.J., and Ricardo, A.L. (2008). Photodynamic therapy for root canals infected with *Enterococcus faecalis*. *Photomed. Laser Surg.* 26: 209–213.
9. Wainwright M. Photodynamic antimicrobial chemotherapy (PACT). *J Antimicrob Chemother* 1998;42:13-28.
10. Zanin, I.C., Goncalves, R.B., Junior, A.B., Hope, C.K., Pratten, J. (2005). Susceptibility of *Streptococcus mutans* biofilms to photodynamic therapy: an in vitro study. *J. Antimicrob. Chemother.* 56, 324–330.

11. Sharma, M., Visai, L., Bragheri, F., Cristiani, I., Gupta, P.K., and Speziale, P. (2008). Toluidine blue-mediated photodynamic effects on staphylococcal biofilms. *Antimicrob. Agents Chemother.* 52, 299–305.
12. Marotti, J., Tortamano, P., Cai, S., Ribeiro, M.S., Franco, J.E., and de Campos, T.T. (2013). Decontamination of dental implant surfaces by means of photodynamic therapy. *Lasers Med. Sci.* 28, 303–309.
13. Schwarz, F., Sculean, A., Romanos, G., Hertel, M., Horn, N., Scherbaum, W. & Becker, J. (2005) Influence of different treatment approaches on the removal of early plaque biofilms and the viability of SAOS2 osteoblasts grown on titanium implants. *Clinical Oral Investigation* 9: 111–117.
14. John G, Becker J, Schwarz F. Rotating titanium brush for plaque removal from rough titanium surfaces - an in vitro study. *Clin Oral Implants Res.* 2013 Mar 31. doi: 10.1111/clr.12147. [Epub ahead of print]
15. Hauser-Gerspach I, Stübinger S, Meyer J. Bactericidal effects of different laser systems on bacteria adhered to dental implant surfaces: an in vitro study comparing zirconia with titanium. *Clin Oral Implants Res.* 2010 Mar;21(3):277-83.
16. Moritz A, Schoop U, Goharkhay K, Schauer P, Doertbudak O, Wernisch J, Sperr W. Treatment of periodontal pockets with a diode laser. *Lasers Surg Med.* 1998;22(5):302-11.
17. Braun A1, Dehn C, Krause F, Jepsen S. Short-term clinical effects of adjunctive antimicrobial photodynamic therapy in periodontal treatment: a randomized clinical trial. *J Clin Periodontol.* 2008;35(10):877-84.