

## Literatur

### **Oberflächendekontamination biofilmbesiedelter Implantatoberflächen**

Untersuchung über die Effektivität einer photodynamischen Therapie im Vergleich zur Diodenlaseranwendung an initialen Biofilmen auf Titanimplantatoberflächen. Von Dr. Gordon John, Prof. Dr. Frank Schwarz, Prof. Dr. Jürgen Becker, Düsseldorf.

Dental Tribune Swiss Edition 9/2014

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., Gonc¸alves, 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., Herten, 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.