

LITERATUR

Ausgabe: Implantologie Journal 6/2016

Thema: Periimplantäre Erkrankungen – Erkennen, Therapieren und Vorbeugen
Teil 2: Therapie von Mukositis und Periimplantitis

Autoren: Priv.-Doz. Dr. Sven Rinke, M.Sc., M.Sc., ZA Gerhard Schmalz, Priv.-Doz. Dr. Dirk Ziebolz, M.Sc.

1. Albrektsson T, Donos N; Working Group 1. Implant survival and complications. The Third EAO consensus conference 2012. Clin Oral Implants Res 2012;23.Suppl 6:63-5.
2. Jung RE, Zembic A, Pjetursson BE, Zwahlen M, Thoma DS. Systematic review of the survival rate and the incidence of biological, technical, and aesthetic complications of single crowns on implants reported in longitudinal studies with a mean follow-up of 5 years. Clin Oral Implants Res 2012;23 Suppl 6:2-21.
3. Pjetursson BE, Asgeirsson AG, Zwahlen M, Sailer I. Improvements in implant dentistry over the last decade: comparison of survival and complication rates in older and newer publications. Int J Oral Maxillofac Implants 2014;29.Suppl:308-24.
4. Mombelli A, Müller N, Cionca N. The epidemiology of peri-implantitis. Clin Oral Implants Res 2012;23 Suppl 6:67-76.
5. Derks J, Tomasi C. Peri-implant health and disease. A systematic review of current epidemiology. J Clin Periodontol 2015;42 Suppl 16:S158-71.
6. Renvert S, Polyzois IN. Clinical approaches to treat peri-implant mucositis and peri-implantitis. Periodontol 2000 2015;68(1):369-404.
7. Renvert S, Roos-Jansåker AM, Claffey N. Non-surgical treatment of peri-implant mucositis and peri-implantitis: a literature review. J Clin Periodontol 2008;35(8 Suppl):305-15.
8. Renvert S, Polyzois I, Persson GR. Treatment modalities for peri-implant mucositis and peri-implantitis. Am J Dent 2013;26(6):313-8.
9. Jepsen S, Berglundh T, Genco R, Aass AM, Demirel K, Derks J, Figuero E, Giovannoli JL, Goldstein M, Lambert F, Ortiz-Vigon A, Polyzois I, Salvi GE, Schwarz F, Serino G, Tomasi C, Zitzmann NU. Primary prevention of peri-implantitis: managing peri-implant mucositis. J Clin Periodontol 2015;42 Suppl 16:S152-7.
10. Klinge B, Meyle J. Peri-implant tissue destruction. The Third EAO Consensus Conference 2012, Working group 2. Clin Oral Implants Res 2012;23 Suppl 6:108-10.
11. Renvert S, Polyzois I and Claffey N . How do implant surface characteristics influence peri implant disease? J Clin Periodontol 2011; 38 Suppl 11: 214-22.
12. Heitz-Mayfield LJ, Mombelli A. The therapy of peri-implantitis: a systematic review. Int J Oral Maxillofac Implants 2014;29 Suppl:325-45.
13. Figuero E, Graziani F, Sanz I, Herrera D, Sanz M. Management of peri-implant mucositis and peri-implantitis. Periodontol 2000 2014;66(1):255-73.

14. Sahm N, Becker J, Santel T, Schwarz F. Non-surgical treatment of peri-implantitis using an air-abrasive device or mechanical debridement and local application of chlorhexidine: a prospective, randomized, controlled clinical study. *J Clin Periodontol* 2011; 38: 872–878.
15. Schwarz F, Aoki A, Sculean A, Becker J. The impact of laser application on periodontal and peri-implant wound healing. *Periodontol 2000* 2009; 51: 79–108.
16. Schwarz F, Sculean A, Rothamel D, Schwenzer K, Georg T, Becker J. Clinical evaluation of an Er:YAG laser for non-surgical treatment of peri-implantitis: A pilot stud. *Clin Oral Implants Res* 2005; 16: 44–52.
17. Schwarz F, Bieling K, Bonsmann M, Latz T, Becker J. Nonsurgical treatment of moderate and advanced periimplantitis lesions: a controlled clinical study. *Clin Oral Invest* 2006a; 10: 279–288.
18. Schwarz F, Bieling K, Nuesry E, Sculean A, Becker J. Clinical and histologic healing pattern of peri-implantitis lesions following non surgical treatment with an Er:YAG Laser. *Lasers Surg Med* 2006b; 38: 663–871.
19. Alani A, Bishop K. Peri-implantitis. Part 3: current modes of management. *Br Dent J* 2014;217(7):345-9.
20. Claffey N, Clarke E, Polyzois I, Renvert S. Surgical treatment of peri-implantitis. *J Clin Periodontol* 2008;35(8 Suppl):316-32.
21. Mombelli A, Moëne R, Décaillot F. Surgical treatments of peri-implantitis. *Eur J Oral Implantol* 2012;5 Suppl:S61-70.
22. Leonhardt Å, Dahlén G, Renvert S. 5-year clinical, microbiological and radiological outcome following treatment of peri-implantitis in man. *J Periodontol* 2003; 74: 1415–1422.
23. Máximo MB, Mendonca AC, Santos VR, Figueiredo CL, Feres M, Duarte PM. Short-term clinical and microbiological evaluations of peri-implant diseases before and after mechanical anti-infective therapies. *Clin Oral Implants Res* 2009; 20: 99–108.
24. Romeo E, Lops D, Chiapasco M, Ghisolfi M, Vogel G. Therapy of peri-implantitis with resective surgery. A 3 year clinical trial on rough screw shaped oral implants. Part II: radiographic outcome. *Clin Oral Implants Res* 2007; 18: 179–187.
25. Ji Y-J, Tang Z-H, Wang R, Cao J, Cao C-F, Jin L-J. Effect of glycine powder air-polishing as an adjunct in the treatment of peri-implant mucositis: a pilot clinical trial. *Clin Oral Implants Res* 2014; 25: 683–689.
26. Renvert S, Polyzois I, Maguire R. Re-osseointegration on previously contaminated surfaces: a systematic review. *Clin Oral Implants Res* 2009; 20(Suppl. 4): 216–217.
27. Schwarz F, Sahm N, Schwarz K, Becker J. Impact of defect configuration on the clinical outcome following surgical regenerative therapy of peri-implantitis. *J Clin Periodontol* 2010; 37: 449–455.
28. Schwarz F, Sahm N, Becker J. Combined surgical therapy of advanced peri-implantitis lesions with concomitant soft tissue volume augmentation. A case series. *Clin Oral Implants Res* 2014; 25: 132–136.

29. Rocuzzo M, Bonino L, Bonino L, Dalmaso P. Surgical therapy of peri-implantitis lesions by means of a bovine-derived xenograft: comparative results of a prospective study on two different implant surfaces. *J Clin Periodontol* 2011; 38: 738–745.
30. Schwarz F, Sahm N, Bieling K, Becker J. Surgical regenerative treatment of peri-implantitis lesions using a nanocrystalline hydroxyapatite or a natural bone mineral in combination with a collagen membrane: a four year clinical follow-up report. *J Clin Periodontol* 2009; 36: 807–814.
31. Roos-Jansåker A-M, Lindahl C, Persson GR, Renvert S. Long term stability of surgical bone regenerative procedures of peri-implant lesions in a prospective case–control study over 3 years. *J Clin Periodontol* 2011; 38: 590–597.
32. Teughels W, Van Assche N, Sliepen I, Quirynen M. Effect of material characteristics and or surface topography on biofilm development. *Clin Oral Implants Res* 2006; 17(Suppl. 2): 68–81.
33. Wiltfang J, Zernial O, Behrens E, Schegel A, Warnake P, Becker ST. Regenerative treatment of peri-implantitis bone defects with a combination of autologous bone and a demineralized xenogenic bone graft: a series of 36 defects. *Clin Implant Dent Relat Res* 2012; 14: 421–427.