

## LITERATUR

**Ausgabe:** Implantologie Journal 5/2017

**Thema:** Gesteuerte parodontale Regeneration mit einer resorbierbaren Membran

**Autoren:** Prof. Dr. Jose Roberto Gonzales, Dr. Marcus Engelschalk

---

1. Cortellini P, Tonetti MS. Long-term tooth survival following regenerative treatment of intrabony defects. *J Periodontol* 2004; 75: 672–678.
2. Cortellini P, Tonetti MS. Clinical concepts for regenerative therapy in intrabony defects. *Periodontol 2000* 2015; 68: 282-307.
3. Gottlow J, Laurell L, Lundgren D, Mathiesen T, Nyman S, Rylander H, Bogentoft C. Periodontal tissue response to a new bioresorbable guided tissue regeneration device. A longitudinal study in monkeys. *Int J Periodontics Restorative Dent* 1994; 14: 437–449.
4. Caffesse RG, Nasjleti CE, Morrison EC, Sanchez R. Guided tissue regeneration: comparison of bioabsorbable and non-bioabsorbable membranes. Histologic and histometric study in dogs. *J Periodontol* 1994; 65: 583–591.
5. Cortellini P, Pini-Prato G, Tonetti M. Periodontal regeneration of human intrabony defects with bioresorbable membranes. A controlled clinical trial. *J Periodontol* 1996; 67: 217–223.
6. Gottlow J, Nyman S, Lindhe J, Karring T, Wennström J. New attachment formation in the human periodontium by guided tissue regeneration. *J Clin Periodontol* 1986; 13: 604–616.
7. Laurell L, Falk H, Fornell J, Johard G, Gottlow J. Clinical use of a bioresorbable matrix barrier in guided tissue regeneration therapy. Case series. *J Periodontol* 1994; 65: 967–975.
8. Matuliene G, Pjetursson BE, Salvi GE, Schmidlin K, Brägger U, Zwahlen M, Lang NP. Influence of residual pockets on progression of periodontitis and tooth loss: results after 11 years of maintenance. *J Clin Periodontol* 2008; 35: 685–695.
9. Esposito M, Grusovin MG, Coulthard P, Worthington HV. Enamel matrix derivative (Emdogain) for periodontal tissue regeneration in intrabony defects. *Cochrane Database Syst Rev* 2005; 19: CD003875.
10. Esposito M, Grusovin MG, Papanikolaou N, Coulthard P, Worthington HV. Enamel matrix derivative (Emdogain) for periodontal tissue regeneration in intrabony defects. *A Cochrane Systematic Review. Eur J Oral Implantol* 2009; 2: 247–266.

11. Murphy KG, Gunsolley JC. Guided tissue regeneration for the treatment of periodontal intrabony and furcation defects. A systematic review. *Ann Periodontol* 2003; 8: 266–302.
12. Needleman IG, Worthington HV, Giedrys-Leeper E, Tucker RJ. Guided tissue regeneration for periodontal infra-bony defects. *Cochrane Database Syst Rev* 2006; 19: CD001724.
13. Cortellini P, Tonetti MS. Focus on intrabony defects: guided tissue regeneration (GTR). *Periodontol 2000* 2000; 22: 104–132.
14. Cortellini P, Tonetti MS. Clinical performance of a regenerative strategy for intrabony defects: scientific evidence and clinical experience. *J Periodontol* 2005; 76: 341–350.
15. Tonetti M, Pini-Prato G, Cortellini P. Periodontal regeneration of human infrabony defects. IV. Determinants of the healing response. *J Periodontol* 1993; 64: 934–940.
16. Tonetti M, Pini-Prato G, Cortellini P. Factors affecting the healing response of intrabony defects following guided tissue regeneration and access flap surgery. *J Clin Periodontol* 1996; 23: 548–556.
17. Tonetti M, Cortellini P, Suvan JE, Adriaens P, Baldi C, Dubravec D, Fonzar A, Fourmosis I, Magnani C, Muller-Campanile V, Patroni S, Sanz M, Vangsted T, Zabalegui I, Pini Prato G, Lang NP. Generalizability of the added benefits of guided tissue regeneration in the treatment of deep intrabony defects. Evaluation in a multi-center randomized controlled clinical trial. *J Periodontol* 1998; 69: 1183–1192.
18. Selvig K, Kersten B, Chamberlain A, Wikesjö UME, Nilveus R. Regenerative surgery of intrabony periodontal defects using e-PTFE barrier membranes. Scanning electron microscopic evaluation of retrieved membranes vs. clinical healing. *J Periodontol* 1992; 63: 974–978.
19. Selvig K, Kersten B, Wikesjö UME. Surgical treatment of intrabony periodontal defects using expanded polytetrafluoroethylene barrier membranes: influence of defect configuration on healing response. *J Periodontol* 1993; 64: 730–733.
20. Sculean A, Donos N, Chiantella GC, Windisch P, Reich E, Brex M. GTR with bioresorbable membranes in the treatment of intrabony defects: a clinical and histologic study. *Int J Periodontics Restorative Dent* 1999; 19: 501–509.
21. Sculean A, Donos N, Windisch P, Brex M, Gera I, Reich E, Karring T. Healing of human intrabony defects following treatment with enamel matrix proteins or guided tissue regeneration. *J Periodontal Res* 1999; 34: 310–322.
22. Sculean A, Berakdar M, Chiantella GC, Donos N, Arweiler NB, Brex M. Healing of intrabony defects following treatment with a bovine-derived xenograft and collagen membrane. A controlled clinical study. *J Clin Periodontol* 2003; 30: 73–80.
23. Sculean A, Schwarz F, Miliauskaitė A, Kiss A, Arweiler N, Becker J, Brex M. Treatment of infrabony defects with an enamel matrix protein derivative or

bioresorbable membrane: an 8-year follow-up split-mouth study. *J Periodontol* 2006; 77: 1879–1886.

24. Sculean A, Kiss A, Miliauskaite A, Schwarz F, Arweiler NB, Hannig M. Ten-year results following treatment of intra-bony defects with enamel matrix proteins and guided tissue regeneration. *J Clin Periodontol* 2008; 35: 817–824.

25. Cortellini P, Tonetti MS, Lang NP, Suvan JE, Zucchelli G, Vangsted T, Silvestri M, Rossi R, McClain P, Fonzar A, Dubravec D, Adriaens P. The simplified papilla preservation flap in the regenerative treatment of deep intrabony defects: clinical outcomes and postoperative morbidity. *J Periodontol* 2001; 72: 1701–1712.

26. Cortellini P, Pini-Prato G, Tonetti M. Interproximal free gingival grafts after membrane removal in GTR treatment of infrabony defects. A controlled clinical trial indicating improved outcomes. *J Periodontol* 1995; 66: 488–493.

27. Cortellini P, Pini-Prato G, Tonetti M. Periodontal regeneration of human infrabony defects with titanium reinforced membranes. A controlled clinical trial. *J Periodontol* 1995; 66: 797–803.

28. Machtei E, Cho M, Dunford R, Norderyd J, Zambon J, Genco R. Clinical, microbiological, and histological factors which influence the success of regenerative periodontal therapy. *J Periodontol* 1994; 65: 154–161.

29. Mayfield L, Söderholm G, Hallström H, Kullendorff B, Edwardsson S, Bratthall G, Brägger U, Attström R. Guided tissue regeneration for the treatment of intraosseous defects using a bioabsorbable membrane. A controlled clinical study. *J Clin Periodontol* 1998; 25: 585–595.

30. Silvestri M, Sartori S, Rasperini G, Ricci G, Rota C, Cattaneo V. Comparison of infrabony defects treated with enamel matrix derivative versus guided tissue regeneration with a nonresorbable membrane. A multicenter controlled clinical trial. *J Clin Periodontol* 2003; 30: 386–393.

31. Ehmke B, Rudiger SG, Hommens A, Karch H, Flemmig FD. Guided tissue regeneration using a polylactic acid barrier. Part II: predictors influencing treatment outcome. *J Clin Periodontol* 2003; 30: 368–374.

32. Heitz-Mayfield L, Tonetti MS, Cortellini P, Lang NP, European Research Group on Periodontology (ERGOPERIO). Microbial colonization patterns predict the outcomes of surgical treatment of intrabony defects. *J Clin Periodontol* 2006; 33: 62–68.

33. Stavropoulos A, Mardas N, Herrero F, Karring T. Smoking affects the outcome of guided tissue regeneration with bioresorbable membranes: a retrospective analysis of intrabony defects. *J Clin Periodontol* 2004; 31: 945–950.

34. Trombelli L, Kim CK, Zimmerman GJ, Wikesjö UME. Retrospective analysis of factors related to clinical outcome of guided tissue regeneration procedures in intrabony defects. *J Clin Periodontol* 1997; 24: 366–371.

35. Garrett S, Loos B, Chamberlain D, Egelberg J. Treatment of intraosseous periodontal defects with a combined therapy of citric acid conditioning, bone grafting and placement of collagenous membranes. *J Clin Periodontol* 1988; 15: 383–389.
36. Cortellini P, Carnevale G, Sanz M, Tonetti MS. Treatment of deep and shallow intrabony defects. A multicenter randomized controlled clinical trial. *J Clin Periodontol* 1998; 25: 981–987.
37. Cortellini P, Tonetti M. Radiographic defect angle influences the outcome of GTR therapy in intrabony defects. *J Dent Res* 1999; 78: 381 (abstract).
38. Goldman H, Cohen DW. The infrabony pocket: classification and treatment. *J Periodontol* 1958; 29: 272–291.
39. Schallhorn RG, Hiatt WH, Boyce W. Iliac transplants in periodontal therapy. *J Periodontol* 1970; 41: 566–580.
40. Cortellini P, Tonetti M. Evaluation of the effect of tooth vitality on regenerative outcomes in intrabony defects. *J Clin Periodontol* 2000; 28: 672–679.
41. Sanders JJ, Sepe WW, Bowers GM, Koch RW, Williams JE, Lekas JS, Mellonig JT, Pelleu GB Jr, Gambill V. Clinical evaluation of freeze-dried bone allografts in periodontal osseous defects. Part III. Composite freeze-dried bone allografts with and without autogenous bone grafts. *J Periodontol* 1983; 54: 1–8.
42. Trejo PM, Weltman RL. Favourable periodontal regenerative outcomes from teeth with presurgical mobility: a retrospective study. *J Clin Periodontol* 2004; 75: 1532–1538.
43. Blumenthal NM. The use of collagen membranes to guide regeneration of new connective tissue attachment in dogs. *J Periodontol* 1988; 59: 830–836.
44. Blumenthal MN. A clinical comparison of collagen membranes with e-PTFE membranes in the treatment of human mandibular buccal class II furcation defects. *J Periodontol* 1993; 64: 925–933.
45. Camelo M, Nevins ML, Schenk RK, Simion M, Rasperini G, Lynch SE, Nevins M. Clinical radiographic, and histologic evaluation of human periodontal defects treated with Bio-Oss® and Bio-Gide. *Int J Periodontics Restorative Dent* 1998; 18: 321–331.
46. Paul BF, Mellonig JT, Towle HJ III, Gray JL. Use of collagen barrier to enhance healing in human periodontal furcation defects. *Int J Periodontics Restorative Dent* 1992; 12: 123–131.
47. Pitaru S, Tal H, Soldinger M, Grosskopf A, Noff M. Partial regeneration of periodontal tissues using collagen barriers. Initial observations in the canine. *J Periodontol* 1988; 59: 380–386.
48. Tanner MG, Solt CW, Vuddhakanok S. An evaluation of new attachment formation using a microfibrillar collagen barrier. *J Periodontol* 1988; 59: 524–530.

49. Wang HL, O'Neal RB, Thomas CL, Shyr Y, Macneil RL. Evaluation of an absorbable collagen membrane in treating class II furcation defects. *J Periodontol* 1994; 65: 1029–1036.
50. Caton J, Greenstein G, Zappa U. Synthetic bioabsorbable barrier for regeneration in human periodontal defects. *J Periodontol* 1994; 65: 1037–1045.
51. Cortellini P, Pini-Prato G, Tonetti M. Periodontal regeneration of human intrabony defects with bioresorbable membranes. A controlled clinical trial. *J Periodontol* 1996; 67: 217–223.
52. Gottlow J, Nyman S, Lindhe J, Karring T, Wennström J. New attachment formation in the human periodontium by guided tissue regeneration. *J Clin Periodontol* 1986; 13: 604–616.
53. Hürzeler MB, Quinones CR, Caffesse RG, Schupback P, Morrison EC. Guided periodontal tissue regeneration in interproximal intrabony defects following treatment with a synthetic bioabsorbable barrier. *J Periodontol* 1997; 68: 489–497.
54. Magnusson I, Batich C, Collins BR. New attachment formation following controlled tissue regeneration using biodegradable membranes. *J Periodontol* 1988; 59: 1–6.
55. Smith MacDonald E, Nowzari H, Contreras A, Flynn J, Morrison J, Slots J. Clinical evaluation of a bioabsorbable and a nonresorbable membrane in the treatment of periodontal intraosseous lesions. *J Periodontol* 1998; 69: 445–453.