**Literaturverzeichnis**

**Piezoelektrisches Bone Splitting und Implantation**

*Dr. med. dent. Renzo Bassetti, Dr. med. dent. Mario Bassetti, Prof. Dr. med. dent.*

*Regina Mericske-Stern, Dr. med. dent. Norbert Enkling*

**Implantologie Journal 1/2013**

1. Adell R, Lekholm U, Grondahl K, Branemark PI, Lindstrom J, Jacobsson M (1990)

Reconstruction of severely resorbed edentulous maxillae using osseointegrated fixtures in immediate autogenous bone grafts. Int J Oral Maxillofac Implants 5: 233-246.

2. Ainamo J, Bay I (1975) Problems and proposals for recording gingivitis and plaque. Int Dent J 25: 229-235.

3. Albrektsson T, Isidor F. Consensus report of session I. In: Lang NP, Karring T (eds). Preceeds of the 1st European Workshop on Periodontology. London: Quintessence Publinshing Co., Ltd, 1994: 365-369.

4. Araujo MG, Lindhe J (2005) Dimensional ridge alterations following tooth extraction. An experimental study in the dog. J Clin Periodontol 32: 212-218.

5. Araujo MG, Lindhe J (2009) Ridge alterations following tooth extraction with and without flap elevation: an experimental study in the dog. Clin Oral Implants Res 20: 545-549.

6. Atwood DA (1973) Reduction of residual ridges in the partially edentulous patient. Dent Clin North Am 17: 747-754.

7. Blus C, Szmukler-Moncler S (2006) Split-crest and immediate implant placement with ultra-sonic bone surgery: a 3-year life-table analysis with 230 treated sites. Clin Oral Implants Res 17: 700-707.

8. Blus C, Szmukler-Moncler S, Vozza I, Rispoli L, Polastri C (2010) Split-crest and

immediate implant placement with ultrasonic bone surgery (piezosurgery): 3-year follow-up of 180 treated implant sites. Quintessence Int 41: 463-469.

9. Buser D, Dula K, Hess D, Hirt HP, Belser UC (1999) Localized ridge augmentation with autografts and barrier membranes. Periodontol 2000 19: 151-163.

10. Camargo PM, Lekovic V, Weinlaender M, Klokkevold PR, Kenney EB, Dimitrijevic B, Nedic M, Jancovic S, Orsini M (2000) Influence of bioactive glass on changes in alveolar process dimensions after exodontia. Oral Surg Oral Med Oral Pathol Oral Radiol Endod 90: 581-586.

11. Cawood JI, Howell RA (1988) A classification of the edentulous jaws. Int J Oral

Maxillofac Surg 17: 232-236.

12. Chiapasco M, Romeo E, Vogel G (2001) Vertical distraction osteogenesis of edentulous ridges for improvement of oral implant positioning: a clinical report of preliminary results. Int J Oral Maxillofac Implants 16: 43-51.

13. Dahlin C, Lekholm U, Becker W, Becker B, Higuchi K, Callens A, van Steenberghe D (1995) Treatment of fenestration and dehiscence bone defects around oral implants using the guided tissue regeneration technique: a prospective multicenter study. Int J Oral Maxillofac Implants 10: 312-318.

14. Danza M, Guidi R, Carinci F (2009) Comparison between implants inserted into piezo split and unsplit alveolar crests. J Oral Maxillofac Surg 67: 2460-2465.

15. de Wijs FL, Cune MS (1997) Immediate labial contour restoration for improved esthetics: a radiographic study on bone splitting in anterior single-tooth replacement. Int J Oral Maxillofac Implants 12: 686-696.

16. Di Alberti L, Donnini F, Di Alberti C, Camerino M (2010) A comparative study of bone densitometry during osseointegration: piezoelectric surgery versus rotary protocols. Quintessence Int 41: 639-644.

17. Engelke WG, Diederichs CG, Jacobs HG, Deckwer I (1997) Alveolar reconstruction with splitting osteotomy and microfixation of implants. Int J Oral Maxillofac Implants 12: 310-318 11.

18. Felice P, Pistilli R, Lizio G, Pellegrino G, Nisii A, Marchetti C (2009) Inlay versus onlay iliac bone grafting in atrophic posterior mandible: a prospective controlled clinical trial for the comparison of two techniques. Clin Implant Dent Relat Res 11 Suppl 1: e69-82.

19. Hammerle CH, Chiantella GC, Karring T, Lang NP (1998) The effect of a deproteinized bovine bone mineral on bone regeneration around titanium dental implants. Clin Oral Implants Res 9: 151-162.

20. Han JY, Shin SI, Herr Y, Kwon YH, Chung JH (2011) The effects of bone grafting

material and a collagen membrane in the ridge splitting technique: an experimental study in dogs. Clin Oral Implants Res 22: 1391-1398.

21. Hermann JS, Buser D (1996) Guided bone regeneration for dental implants. Curr Opin Periodontol 3: 168-177.

22. Horton JE, Tarpley TM, Jr., Wood LD (1975) The healing of surgical defects in alveolar bone produced with ultrasonic instrumentation, chisel, and rotary bur. Oral Surg Oral Med Oral Pathol 39: 536-546.

23. Iasella JM, Greenwell H, Miller RL, Hill M, Drisko C, Bohra AA, Scheetz JP (2003)

Ridge preservation with freeze-dried bone allograft and a collagen membrane compared to extraction alone for implant site development: a clinical and histologic study in humans. J Periodontol 74: 990-999.

24. Laurie SW, Kaban LB, Mulliken JB, Murray JE (1984) Donor-site morbidity after

harvesting rib and iliac bone. Plast Reconstr Surg 73: 933-938.

25. Lekovic V, Camargo PM, Klokkevold PR, Weinlaender M, Kenney EB, Dimitrijevic B, Nedic M (1998) Preservation of alveolar bone in extraction sockets using bioabsorbable membranes. J Periodontol 69: 1044-1049.

26. Lekovic V, Kenney EB, Weinlaender M, Han T, Klokkevold P, Nedic M, Orsini M (1997)

A bone regenerative approach to alveolar ridge maintenance following tooth extraction.

Report of 10 cases. J Periodontol 68: 563-570.

27. Mellonig JT, Nevins M (1995) Guided bone regeneration of bone defects associated with

implants: an evidence-based outcome assessment. Int J Periodontics Restorative Dent 15: 168-185.

28. Misch CM (1997) Comparison of intraoral donor sites for onlay grafting prior to implant

placement. Int J Oral Maxillofac Implants 12: 767-776.

29. Nevins M, Langer B (1993) The successful application of osseointegrated implants to the

posterior jaw: a long-term retrospective study. Int J Oral Maxillofac Implants 8: 428-432.

30. Nkenke E, Schultze-Mosgau S, Radespiel-Troger M, Kloss F, Neukam FW (2001)

Morbidity of harvesting of chin grafts: a prospective study. Clin Oral Implants Res 12: 495-

502.

31. O'Leary TJ, Drake RB, Naylor JE (1972) The plaque control record. J Periodontol 43:38

32. Pikos MA (1999) Block autografts for localized ridge augmentation: Part I. The posterior

maxilla. Implant Dent 8: 279-285.

33. Pikos MA (2000) Block autografts for localized ridge augmentation: Part II. The posterior

mandible. Implant Dent 9: 67-75.

34. Preti G, Martinasso G, Peirone B, Navone R, Manzella C, Muzio G, Russo C, Canuto RA,

Schierano G (2007) Cytokines and growth factors involved in the osseointegration of oral

titanium implants positioned using piezoelectric bone surgery versus a drill technique: a pilot

study in minipigs. J Periodontol 78: 716-722.

35. Schropp L, Wenzel A, Kostopoulos L, Karring T (2003) Bone healing and soft tissue

contour changes following single-tooth extraction: a clinical and radiographic 12-month

prospective study. Int J Periodontics Restorative Dent 23:313-323

36. Scipioni A, Bruschi GB, Calesini G (1994) The edentulous ridge expansion technique: a

five-year study. Int J Periodontics Restorative Dent 14: 451-459.

37. Scipioni A, Bruschi GB, Calesini G, Bruschi E, De Martino C (1999) Bone regeneration in the edentulous ridge expansion technique: histologic and ultrastructural study of 20 clinical

cases. Int J Periodontics Restorative Dent 19: 269-277.

38. Sethi A, Kaus T (2000) Maxillary ridge expansion with simultaneous implant placement:

5-year results of an ongoing clinical study. Int J Oral Maxillofac Implants 15: 491-499.

39. Simion M, Misitano U, Gionso L, Salvato A (1997) Treatment of dehiscences and

fenestrations around dental implants using resorbable and nonresorbable membranes

associated with bone autografts: a comparative clinical study. Int J Oral Maxillofac Implants

12: 159-167.

40. Skouteris CA, Sotereanos GC (1989) Donor site morbidity following harvesting of

autogenous rib grafts. J Oral Maxillofac Surg 47: 808-812.

41. Suh JJ, Shelemay A, Choi SH, Chai JK (2005) Alveolar ridge splitting: a new microsaw

technique. Int J Periodontics Restorative Dent 25: 165-171.

42. Summers RB (1994) The osteotome technique: Part 2--The ridge expansion osteotomy

(REO) procedure. Compendium 15:422, 424, 426, passim; quiz 436.

43. Takahashi T, Funaki K, Shintani H, Haruoka T (2004) Use of horizontal alveolar

distraction osteogenesis for implant placement in a narrow alveolar ridge: a case report. Int J

Oral Maxillofac Implants 19: 291-294.

44. Tatum H, Jr. (1986) Maxillary and sinus implant reconstructions. Dent Clin North Am

30: 207-229.

45. Urban IA, Nagursky H, Lozada JL (2011) Horizontal ridge augmentation with a resorbable membrane and particulated autogenous bone with or without anorganic bovine bone-derived mineral: a prospective case series in 22 patients. Int J Oral Maxillofac Implants 26: 404-414.

46. Vercellotti T (2000) Piezoelectric surgery in implantology: a case report--a new

piezoelectric ridge expansion technique. Int J Periodontics Restorative Dent 20: 358-365.

47. Vercellotti T (ed). Piezochirurgie in der Zahnmedizin. Berlin: Quintessenz Verlags-GmbH, 2011.

48.Vercellotti T, Nevins ML, Kim DM, Nevins M, Wada K, Schenk RK, Fiorellini JP (2005)

Osseous response following resective therapy with piezosurgery. Int J Periodontics

Restorative Dent 25: 543-549.

49. von Arx T, Hardt N, Wallkamm B (1996) The TIME technique: a new method for

localized alveolar ridge augmentation prior to placement of dental implants. Int J Oral

Maxillofac Implants 11: 387-394.

50. von Arx T, Kurt B (1999) Implant placement and simultaneous ridge augmentation using

autogenous bone and a micro titanium mesh: a prospective clinical study with 20 implants.

Clin Oral Implants Res 10: 24-33.

51. Young VL, Schuster RH, Harris LW (1990) Intracerebral hematoma complicating split

calvarial bone-graft harvesting. Plast Reconstr Surg 86: 763-765.