Ausgabe: ZWP Zahnarzt Wirtschaft Praxis Spezial 11/11, S, 14-18

Thema: Sichere Knochenregeneration durch neue Kollagenmembran

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Literatur:

1. Aghaloo TL, Moy PK. Which hard tissue augmentation techniques are the most successful in furnishing bony support for implant placement? Int J Oral Maxillofac Implants 2007; 22 Suppl:49-70.

2. Bernstein S, Cooke J, Fotek P, Wang HL. Vertical bone augmentation: where are we now? Implant Dent. 2006; 15: 219-28

3. Brittberg M. Cell carriers as the next generation of cell therapy for cartilage repair: a review of the matrix-induced autologous chondrocyte implantation procedure. Am J Sports Med. 2010 Jun;38(6):1259-71.

4. Bunyaratavej P, Wang HL. Collagen membranes: a review. J Periodontol 2001; 72: 215-29.

5. Buser D, Weber HP, Brägger U, Balsiger C. Tissue integration of one-stage implants: three-year results of a prospective longitudinal study with hollow cylinder and hollow screw implants. Quintessence Int 1994; 25: 679-86.

6. Chen JM, Willers C, Xu J, Wang A, Zheng MH. Autologous tenocyte therapy using porcine-derived bioscaffolds for massive rotator cuff defect in rabbits. Tissue Eng. 2007 Jul;13(7):1479-91.

7. Esposito M, Grusovin MG, Kwan S, Worthington HV, Coulthard P. Interventions for replacing missing teeth: bone augmentation techniques for dental implant treatment. Cochrane Database Syst Rev. 2008; 16 (3):CD003607.

8. Ferreira CE, Novaes AB, Haraszthy VI, Bittencourt M, Martinelli CB, Luczyszyn SM. A clinical study of 406 sinus augmentations with 100% anorganic bovine bone. J Periodontol 2009 Dec; 80: 1920-7.

9. Fiorellini JP, Nevins ML. Localized ridge augmentation/preservation. A systematic review. Ann Periodontol 2003; 8: 321-7.

10. Friedmann A, Strietzel FP, Maretzki B, Pitaru S, Bernimoulin JP. Observations on a new collagen barrier membrane in 16 consecutively treated patients. Clinical and histological findings. J Periodontol 2001; 72: 1616-23.

11. Fugazzotto PA. GBR using bovine bone matrix and resorbable and nonresorbable membranes. Part 1: histologic results. Int J Periodontics Restorative Dent 2003; 4: 361-569.

12. Fugazzotto PA. GBR using bovine bone matrix and resorbable and nonresorbable membranes. Part 2: Clinical results., Int J Periodontics Restorative Dent 2003; 6: 599-605.

13. Hämmerle CH, Lang NP. Single stage surgery combining transmucosal implant placement with guided bone regeneration and bioresorbable materials. Clin Oral Implants Res 2001; 12: 9-18.

14. Hämmerle CH, Jung RE, Yaman D, Lang NP. Ridge augmentation by applying bioresorbable membranes and deproteinized bovine bone mineral: a report of twelve consecutive cases Clin Oral Implants Res. 2008; 19: 19-25.

15. Hämmerle CH, Chen ST, Wilson TG Jr. Consensus statements and recommended clinical procedures regarding the placement of implants in extraction sockets. Int J Oral Maxillofac Implants 2004; 19 Suppl: 26-8.

16. Jäger M, Fischer J, Schultheis A, Lensing-Höhn S, Krauspe R. Extensive H(+) release by bone substitutes affects biocompatibility in vitro testing. J Biomed Mater Res A. 2006 Feb;76(2):310-22.

17. Jäger M, Degistirici O, Knipper A, Fischer J, Sager M, Krauspe R. Bone healing and migration of cord blood-derived stem cells into a critical size femoral defect after xenotransplantation. J Bone Miner Res. 2007 Aug;22(8):1224-33.

18. Jung RE, Hälg GA, Thoma DS, Hämmerle CH. A randomized, controlled clinical trial to evaluate a new membrane for guided bone regeneration around dental implants. Clin Oral Implants Res 2009; 20: 162-8.

19. McAllister BS. Scalloped implant designs enhance interproximal bone levels. Int J Periodontics Restorative Dent 2007; 27: 9-15.

20. Moses O, Pitaru S, Artzi Z, Nemcovsky CE. Healing of dehiscence-type defects in implants placed together with different barrier membranes: a comparative clinical study. Clin Oral Implants Res 2005; 16: 210-9.

21. Nevins M, Mellonig JT. The advantages of localized ridge augmentation prior to implant placement: a staged event. Int J Periodontics Restorative Dent 1994; 14: 96-111.

22. Rothamel D, Schwarz F, Sculean A, Herten M, Scherbaum W, Becker J. Biocompatibility of various collagen membranes in cultures of human PDL

fibroblasts and human osteoblast-like cells. Clin Oral Implants Res 2004; 15: 443-9.

23. Rothamel D, Schwarz F, Sager M, Herten M, Sculean A, Becker J. Biodegradation of differently cross-linked collagen membranes: an experimental study in the rat. Clin Oral Implants Res 2005; 16: 369-78.

24. Siar CH, Toh CG, Romanos G, Ng KH. Subcutaneous reactions and degradation characteristics of collagenous and noncollagenous membranes in a macaque model. Clin Oral Implants Res 2011; 22: 113-20.

25. Tal H, Kozlovsky A, Artzi Z, Nemcovsky CE, Moses O. Cross-linked and non-cross-linked collagen barrier membranes disintegrate following surgicalexposure to the oral environment: a histological study in the cat. Clin Oral Implants Res 2008; 19: 760-6.

26. Zitzmann NU, Naef R, Schärer P. Resorbable versus nonresorbable membranes in combination with Bio-Oss for guided bone regeneration. Int J Oral Maxillofac Implants 1997; 12: 844-52.