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Thema: Knochenaufbau mit allogenem Knochenblöcken. Innovative Materialien, exzellente Ergebnisse – ein Verfahren mit Zukunft.

Autor: PD DDr. Frank Kloss, Lienz, Österreich, und Phil Donkiewicz, Berlin, Deutschland.

Literaturangaben

1. Knöfler, W., Barth, T., Graul, R., & Krampe, D. (2016). Retrospective analysis of 10,000 implants from insertion up to 20 years—analysis of implantations using augmentative procedures. *International journal of implant dentistry*, 2(1), 25.
2. Lang, N. P., Tonetti, M. S., Suvan, J. E., Pierre Bernard, J., Botticelli, D., Fourmousis, I., ... & Shafer, D. (2007). Immediate implant placement with transmucosal healing in areas of aesthetic priority: A multicentre randomized-controlled clinical trial I. Surgical outcomes. *Clinical Oral Implants Research*, 18(2), 188-196.
3. Misch, C. M. (2010). Autogenous bone: is it still the gold standard?. *Implant dentistry*, 19(5), 361.
4. Cricchio G, Lundgren S. Donor Site Morbidity in Two Different Aproaches to Anterior Iliac Crest Bone Harvesting, *Clin Implant Dent Relat Res*. 2003; 5:161-169.
5. Silvia FM, Cortez AL, Moreira RW, Mazzonetto R: Complications of intraoral donor site for bone grafting prior to implant placement. *Implant Dent*. 2006; 15: 420-426.
6. Piattelli, M., Favero, G. A., Scarano, A., Orsini, G., & Piattelli, A. (1999). Bone reactions to anorganic bovine bone (Bio-Oss) used in sinus augmentation procedures: a histologic long-term report of 20 cases in humans. *International Journal of Oral and Maxillofacial Implants*, 14(6), 835-840.
7. Riachi, F., Naaman, N., Tabarani, C., Aboelsaad, N., Aboushelib, M. N., Berberi, A., & Salameh, Z. (2012). Influence of material properties on rate of resorption of two bone graft materials after sinus lift using radiographic assessment. *International journal of dentistry*, 2012.
8. De Long Jr, W. G., Einhorn, T. A., Koval, K., McKee, M., Smith, W., Sanders, R., & Watson, T. (2007). Bone grafts and bone graft substitutes in orthopaedic trauma surgery. A critical analysis. *The Journal of bone and joint surgery. American volume*, 89(3), 649.
9. Fillingham, Y., & Jacobs, J. (2016). Bone grafts and their substitutes. *Bone Joint J*, 98(1 Supple A), 6-9.
10. Novell J, Novell-Costa F, Ivorra C, Fariñas O, Munilla A, Martinez C. Five-year results of implants inserted into freeze-dried block allografts. *Implant Dent*. 2012;21(2):129-135. doi:10.1097/ID.0b013e31824bf99f.
11. Motamedian SR, Khojaste M, Khojasteh A. Success rate of implants placed in autogenous bone blocks versus allogenic bone blocks: A systematic literature review. *Ann Maxillofac Surg*. 2016;6(1):78-90. doi:10.4103/2231-0746.186143.

12. Nissan J, Mardinger O, Calderon S, Romanos GE, Chaushu G. Cancellous Bone Block Allografts for the Augmentation of the Anterior Atrophic Maxilla. *Clin Implant Dent Relat Res.* 2011;13(2):104-111. doi:10.1111/j.1708-8208.2009.00193.x.
13. Schmitt, C. M., Doering, H., Schmidt, T., Lutz, R., Neukam, F. W., & Schlegel, K. A. (2013). Histological results after maxillary sinus augmentation with Straumann® BoneCeramic, Bio-Oss®, Puros®, and autologous bone. A randomized controlled clinical trial. *Clinical oral implants research*, 24(5), 576-585.
14. Al-Abedalla, K., Torres, J., Cortes, A. R. G., Wu, X., Nader, S. A., Daniel, N., & Tamimi, F. (2015). Bone augmented with allograft onlays for implant placement could be comparable with native bone. *Journal of Oral and Maxillofacial Surgery*, 73(11), 2108-2122.
15. Amorfini, L., Migliorati, M., Signori, A., Silvestrini-Biavati, A., & Benedicenti, S. (2014). Block allograft technique versus standard guided bone regeneration: a randomized clinical trial. *Clinical implant dentistry and related research*, 16(5), 655-667.
16. Peck, M. T. (2015). Alveolar Ridge Augmentation using the Allograft Bone Shell Technique. *The journal of contemporary dental practice*, 16(9), 768-773.
17. Flanagan D, Cylindrical Ringbone Allograft to Restore Atrophic Implant Sites: A Pilot Study, *J ORAL Implantology*, April 2016, Vol. 42, No. 2, pp. 159-163.
18. Boyce, T., Edwards, J., & Scarborough, N. (1999). Allograft bone: the influence of processing on safety and performance. *Orthopedic Clinics*, 30(4), 571-581.
19. <https://www.pei.de/DE/Arzneimittel/gewebezubereitungen/knochenpraeparationen/knochenpraeparationen-node.html>
20. Hinsenkamp, M., Muylle, L., Eastlund, T., Fehily, D., Noel, L., & Strong, D. M. (2012). Adverse reactions and events related to musculoskeletal allografts: reviewed by the World Health Organisation Project NOTIFY. *International orthopaedics*, 36(3), 633-641.
21. Friedlaender, G. E., Strong, D. M., & Sell, K. W. (1984). Studies on the antigenicity of bone. II. Donor-specific anti-HLA antibodies in human recipients of freeze-dried allografts. *The Journal of bone and joint surgery. American volume*, 66(1), 107-112.
22. Ward, W. G., Gautreaux, M. D., Lippert, D. C., & Boles, C. (2008). HLA sensitization and allograft bone graft incorporation. *Clinical orthopaedics and related research*, 466(8), 1837-1848.
23. Piaia, M., Bub, C. B., de Menezes Succi, G., Torres, M., Costa, T. H., Pinheiro, F. C., & Napimoga, M. H. (2017). HLA-typing analysis following allogeneic bone grafting for sinus lifting. *Cell and tissue banking*, 18(1), 75-81.
24. O'sullivan, E. D., Battle, R. K., Zahra, S., Keating, J. F., Marson, L. P., & Turner, D. M. (2017). Allosensitization following bone graft. *American Journal of Transplantation*, 17(8), 2207-2211.

25. Quattlebaum, J. B., Mellonig, J. T., & Hensel, N. F. (1988). Antigenicity of freeze-dried cortical bone allograft in human periodontal osseous defects. *Journal of periodontology*, 59(6), 394-397.
26. Imamura, K., Ozawa, H., Hiraide, T., Shibasaki, Y., Fukuhara, T., Takahashi, N., & Suda, T. (1990). Continuously applied compressive pressure induces bone resorption by a mechanism involving prostaglandin E2 synthesis. *Journal of cellular physiology*, 144(2), 222-228.
27. Gultekin, B. A., Bedeloglu, E., Kose, T. E., & Mijiritsky, E. (2016). Comparison of bone resorption rates after intraoral block bone and guided bone regeneration augmentation for the reconstruction of horizontally deficient maxillary alveolar ridges. *BioMed research international*, 2016.
28. Jacotti, M., Wang, H. L., Fu, J. H., Zamboni, G., & Bernardello, F. (2012). Ridge augmentation with mineralized block allografts: clinical and histological evaluation of 8 cases treated with the 3-dimensional block technique. *Implant dentistry*, 21(6), 444-448.
29. Schlee, M., & Rothamel, D. (2013). Ridge augmentation using customized allogenic bone blocks: proof of concept and histological findings. *Implant dentistry*, 22(3), 212-218.
30. Jacotti, M., Barausse, C., & Felice, P. (2014). Posterior atrophic mandible rehabilitation with onlay allograft created with cad-cam procedure: a case report. *Implant dentistry*, 23(1), 22-28.
31. Otto, S., Kleye, C., Burian, E., Ehrenfeld, M., & Cornelius, C. P. (2017). Custom-milled individual allogeneic bone grafts for alveolar cleft osteoplasty-a technical note. *Journal of Cranio-Maxillofacial Surgery*.
32. Blume, O., Hoffmann, L., Donkiewicz, P., Wenisch, S., Back, M., Schnettler, R., & Barbeck, M. (2017). Treatment of Severely Resorbed Maxilla Due to Peri-Implantitis by Guided Bone Regeneration Using a Customized Allogenic Bone Block: A Case Report 2.
33. Mordenfeld, A., Hallman, M., Johansson, C. B., & Albrektsson, T. (2010). Histological and histomorphometrical analyses of biopsies harvested 11 years after maxillary sinus floor augmentation with deproteinized bovine and autogenous bone. *Clinical oral implants research*, 21(9), 961-970.
34. Gosau, M., Viale-Bouroncle, S., Eickhoff, H., Prateetongkum, E., Reck, A., Götz, W., ... & Morsczeck, C. (2015). Evaluation of implant-materials as cell carriers for dental stem cells under in vitro conditions. *International journal of implant dentistry*, 1(1), 2.
35. Barbeck M., Donkiewicz P., Blume O., Unger R., Wenisch S., Schnettler R. (2017). Update: Allogene Knochenersatzmaterialien. *Implantologie Journal 7+8/2017*
36. Seebach, C., Schultheiss, J., Wilhelm, K., Frank, J., & Henrich, D. (2010). Comparison of six bone-graft substitutes regarding to cell seeding efficiency, metabolism and growth behaviour of human mesenchymal stem cells (MSC) in vitro. *Injury*, 41(7), 731-738.

37. Coquelin, L., Fialaire-Legendre, A., Roux, S., Poignard, A., Bierling, P., Hernigou, P., ... & Rouard, H. (2012). In vivo and in vitro comparison of three different allografts vitalized with human mesenchymal stromal cells. *Tissue Engineering Part A*, 18(17-18), 1921-1931.
38. Trentz, O. A., Hoerstrup, S. P., Sun, L. K., Bestmann, L., Platz, A., & Trentz, O. L. (2003). Osteoblasts response to allogenic and xenogenic solvent dehydrated cancellous bone in vitro. *Biomaterials*, 24(20), 3417-3426.