

Minimalinvasive Alternativen in der Parodontaltherapie

Volumenerhalt

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Literaturangabe

1. Araujo, M. G. & Lindhe, J. (2005) Dimensional ridge alterations following tooth extraction. An experimental study in the dog. *J Clin Periodontol* 32, 212-218. doi:10.1111/j.1600-051X.2005.00642.x.
2. Araujo, M. G., Sukekava, F., Wennstrom, J. L. & Lindhe, J. (2005) Ridge alterations following implant placement in fresh extraction sockets: an experimental study in the dog. *J Clin Periodontol* 32, 645-652. doi:10.1111/j.1600-051X.2005.00726.x.
3. Bertl, K., An, N., Bruckmann, C., Dard, M., Andrukhow, O., Matjeka, M. & Rausch-Fan, X. (2009) Effects of enamel matrix derivative on proliferation/viability, migration, and expression of angiogenic factor and adhesion molecules in endothelial cells in vitro. *J Periodontol* 80, 1622-1630. doi:10.1902/jop.2009.090157.
4. Bertl, K., Bruckmann, C., Isberg, P. E., Klinge, B., Gotfredsen, K. & Stavropoulos, A. (2015) Hyaluronan in non-surgical and surgical periodontal therapy: a systematic review. *Journal of Clinical Periodontology* 42, 236-246.
5. Burkhardt, R. & Lang, N. P. (2005) Coverage of localized gingival recessions: comparison of micro- and macrosurgical techniques. *J Clin Periodontol* 32, 287-293. doi:10.1111/j.1600-051X.2005.00660.x.
6. Del Pizzo, M., Modica, F., Bethaz, N., Priotto, P. & Romagnoli, R. (2002) The connective tissue graft: a comparative clinical evaluation of wound healing at the palatal donor site - A preliminary study. *Journal of Clinical Periodontology* 29, 848-854. doi:DOI 10.1034/j.1600-051X.2002.290910.x.
7. Fickl, S., Fischer, K. R., Jockel-Schneider, Y., Stappert, C. F., Schlagenhauf, U. & Kebschull, M. (2014) Early wound healing and patient morbidity after single-incision vs. trap-door graft harvesting from the palate—a clinical study. *Clinical oral investigations* 18, 2213-2219.
8. Fickl, S., Kauffmann, F., Stappert, C. F., Kauffmann, A. & Schlagenhauf, U. (2018) Scar Tissue Formation Following Alveolar Ridge Preservation: A Case Control Study. *Int J Periodontics Restorative Dent* 38, e1-e7. doi:10.11607/prd.3347.
9. Fickl, S., Zuhr, O., Wachtel, H., Bolz, W. & Huerzeler, M. B. (2008a) Hard tissue alterations after socket preservation: an experimental study in the beagle dog. *Clin Oral Implants Res* 19, 1111-1118. doi:10.1111/j.1600-0501.2008.01575.x.
10. Fickl, S., Zuhr, O., Wachtel, H., Stappert, C. F., Stein, J. M. & Huerzeler, M. B. (2008b) Dimensional changes of the alveolar ridge contour after different socket preservation techniques. *J Clin Periodontol* 35, 906-913. doi:10.1111/j.1600-051X.2008.01305.x.
11. Griffin, T. J., Cheung, W. S., Zavras, A. I. & Damoulis, P. D. (2006) Postoperative complications following gingival augmentation procedures. *J Periodontol* 77, 2070-2079. doi:10.1902/jop.2006.050296.
12. Jung, R. E., Philipp, A., Annen, B. M., Signorelli, L., Thoma, D. S., Hämerle, C. H., Attin, T. & Schmidlin, P. (2013) Radiographic evaluation of different techniques for ridge preservation after tooth extraction: a randomized controlled clinical trial. *Journal of Clinical Periodontology* 40, 90-98.
13. MacBeth, N., Trullenque-Eriksson, A., Donos, N. & Mardas, N. (2016) Hard and soft tissue changes following alveolar ridge preservation: a systematic review. *Clin Oral Implants Res.* doi:10.1111/cld.12911.
14. Maymon-Gil, T., Weinberg, E., Nemcovsky, C. & Weinreb, M. (2016) Enamel Matrix Derivative Promotes Healing of a Surgical Wound in the Rat Oral Mucosa. *J Periodontol* 87, 601-609. doi:10.1902/jop.2016.150567.
15. Thalmair, T., Fickl, S., Schneider, D., Hinze, M. & Wachtel, H. (2013) Dimensional alterations of extraction sites after different alveolar ridge preservation techniques - a volumetric study. *J Clin Periodontol* 40, 721-727. doi:10.1111/jcpe.12111.
16. Thoma, D. S., Hilbe, M., Biehn, S. P., Sancho-Puchades, M., Hammerle, C. H. & Jung, R. E. (2016) Palatal wound healing using a xenogeneic collagen matrix - histological outcomes of a randomized controlled clinical trial. *J Clin Periodontol* 43, 1124-1131. doi:10.1111/jcpe.12624.
17. Thoma, D. S., Sancho-Puchades, M., Ettlin, D. A., Hammerle, C. H. & Jung, R. E. (2012) Impact of a collagen matrix on early healing, aesthetics and patient morbidity in oral mucosal wounds - a randomized study in humans. *J Clin Periodontol* 39, 157-165. doi:10.1111/j.1600-051X.2011.01823.x.
18. Vignoletti, F., Discepoli, N., Müller, A., Sanctis, M., Muñoz, F. & Sanz, M. (2012) Bone modelling at fresh extraction sockets: immediate implant placement versus spontaneous healing. An experimental study in the beagle dog. *Journal of Clinical Periodontology* 39, 91-97. doi:10.1111/j.1600-051X.2011.01803.x.
19. Wachtel, H., Fickl, S., Zuhr, O. & Huerzeler, M. B. (2006) The double-sling suture: a modified technique for primary wound closure. *Eur J Esthet Dent* 1, 314-324.
20. Weng, D., Stock, V. & Schliepake, H. (2011) Are socket and ridge preservation techniques at the day of tooth extraction efficient in maintaining the tissues of the alveolar ridge? *Eur J Oral Implantol* 4, 59-66.

