

## DAFTAR PUSTAKA

- Abedini, F., 2016. Factors Involved in Tissue Regeneration. *J Regen Med*, 5(1), pp. 108-115.
- Aimetti, M., Manavella, V., Corano, L., Ercoli, E., Bignardi, C., Romano, F., 2017. Three-dimensional analysis of bone remodeling following ridge augmentation of compromised extraction sockets in periodontitis patients: A randomized controlled study. *Clinical Oral Implants Research* 29, 202–214.
- Akhir, H. and Teoh, P. (2020). Collagen type I promotes osteogenic differentiation of amniotic membrane-derived mesenchymal stromal cells in basal and induction media. *Bioscience Reports*, 40(12). doi:<https://doi.org/10.1042/bsr20201325>.
- Atieh, M.A., Alsabeeha, N.H., Payne, A.G., Duncan, W., Faggion, C.M. and Esposito, M. (2015). Interventions for replacing missing teeth: alveolar ridge preservation techniques for dental implant site development. *Cochrane Database of Systematic Reviews*, 2015(5). doi:<https://doi.org/10.1002/14651858.cd010176.pub2>.
- Barootchi, S., Tavelli, L., Majzoub, J., Stefanini, M., Wang, H. and Avila-Ortiz, G. (2022). Alveolar ridge preservation: Complications and cost-effectiveness. *Periodontology* 2000, 92, pp.235–262. doi:<https://doi.org/10.1111/prd.12469>.
- Basma, H.S., Saleh, M., Geurs, N.C., Li, P., Ravidà, A., Wang, H. and Abou-Arraj, R.V. (2022). The effect of bone particle size on the histomorphometric and clinical outcomes following lateral ridge augmentation procedures: A randomized double-blinded controlled trial. *Journal of Periodontology*, 94(2), pp.163–173. doi:<https://doi.org/10.1002/jper.22-0212>.
- Chappuis, V., Engel, O., Reyes, M., Shahim, K., Nolte, L.-P. . and Buser, D. (2013). Ridge Alterations Post-extraction in the Esthetic Zone. *Journal of Dental Research*, 92(12\_suppl), pp.195S201S. doi:<https://doi.org/10.1177/0022034513506713>.
- Compston, J., Skingle, L. and Dempster, D.W. (2018). Bone Histomorphometry. *Vitamin D*, pp.959–973. doi:<https://doi.org/10.1016/b978-0-12-809965-0.00053-7>.
- Fan, Q., Zeng, H., Fan, W., Wu, T., Sun, J., Yan, Q. and Shi, B. (2021). Ridge preservation of a novel extraction socket applying Bio-Oss® collagen: An experimental study in dogs. *Journal of Dental Sciences*, 16(3), pp.831–839. doi:<https://doi.org/10.1016/j.jds.2021.03.005>.
- Fee, L. (2017). Socket preservation. *British Dental Journal*, 222(8), pp.579–582. doi:<https://doi.org/10.1038/sj.bdj.2017.355>.

- Fontana, S., Plavnik, L., Filippetti, M. and Alicia Inés Malberti (2013). Particulate bone matrix usage for alveolar bone conservation. A histomorphometric study. *PubMed*, 70(3), pp.115–22.
- Gomes, P.S. and Fernandes, M.H. (2011). Rodent models in bone-related research: the relevance of calvarial defects in the assessment of bone regeneration strategies. *Laboratory Animals*, 45(1), pp.14–24. doi:<https://doi.org/10.1258/la.2010.010085>.
- Hansson, S. and Halldin, A. (2012). Alveolar Ridge Resorption after Tooth extraction: a Consequence of a Fundamental Principle of Bone Physiology. *Journal of Dental Biomechanics*, 3(1). doi:<https://doi.org/10.1177/1758736012456543>.
- Horváth, A., Mardas, N., Mezzomo, L.A., Needleman, I.G. and Donos, N. (2012). Alveolar ridge preservation. A systematic review. *Clinical Oral Investigations*, 17(2), pp.341–363. doi:<https://doi.org/10.1007/s00784-012-0758-5>.
- Ivanova, V., Chenchev, I., Zlatev, S. and Mijiritsky, E. (2021). Comparison Study of the Histomorphometric Results after Socket Preservation with PRF and Allograft Used for Socket Preservation—Randomized Controlled Trials. *International Journal of Environmental Research and Public Health*, 18(14), p.7451. doi:<https://doi.org/10.3390/ijerph18147451>.
- Jennings, J.A. (2017). Controlling chitosan degradation properties in vitro and in vivo. *Chitosan Based Biomaterials*, 1(7), pp.159–182. doi:<https://doi.org/10.1016/b978-0-08-100230-8.00007-8>.
- Kim, Y.-K. and Ku, J.-K. (2020). Extraction socket preservation. *Journal of the Korean Association of Oral and Maxillofacial Surgeons*, 46(6), pp.435–439. doi:<https://doi.org/10.5125/jkaoms.2020.46.6.435>.
- Kocak, F.Z., Yar, M. and Rehman, I.U. (2024). In Vitro Degradation, Swelling, and Bioactivity Performances of in Situ Forming Injectable Chitosan-matrixed Hydrogels for Bone Regeneration and Drug Delivery. *Biotechnology and Bioengineering*, 121(9). doi:<https://doi.org/10.1002/bit.28755>.
- Könönen, E., Gursoy, M., Gursoy, U., 2019. Periodontitis: A multifaceted disease of tooth-supporting tissues. *Journal of Clinical Medicine*. 8, 1135.
- Laugisch, O., Auschill, T.M., Heumann, C., Sculean, A. and Arweiler, N.B. (2021). Clinical Evaluation of a New Electronic Periodontal Probe: A Randomized Controlled Clinical Trial. *Diagnostics*, [online] 12(1), p.42. doi:<https://doi.org/10.3390/diagnostics12010042>.
- Lazarevic, M., Petrovic, S., Pierfelice, T.V., Ignjatovic, N., Piattelli, A., Vlajic Tovilovic, T. and Radunovic, M. (2023). Antimicrobial and Osteogenic Effects of Collagen Membrane Decorated with Chitosan–Nano-Hydroxyapatite. *Biomolecules*, [online] 13(4), p.579. doi:<https://doi.org/10.3390/biom13040579>.

- Lee, J., Yun, J., Kim, J.-J., Koo, K.-T., Seol, Y.-J. and Lee, Y.-M. (2021). Retrospective study of alveolar ridge preservation compared with no alveolar ridge preservation in periodontally compromised extraction sockets. *International Journal of Implant Dentistry*, 7(1). doi:<https://doi.org/10.1186/s40729-021-00305-2>.
- Luvizuto, E.R., Queiroz, T.P., Dias, S.M.D., Okamoto, T., Dornelles, R.C.M., Garcia, I.R. and Okamoto, R. (2010). Histomorphometric analysis and immunolocalization of RANKL and OPG during the alveolar healing process in female ovariectomized rats treated with oestrogen or raloxifene. *Archives of Oral Biology*, 55(1), pp.52–59. doi:<https://doi.org/10.1016/j.archoralbio.2009.11.001>.
- Ma, S., Adayi, A., Liu, Z., Li, M., Wu, M., Xiao, L., Sun, Y., Cai, Q., Yang, X., Zhang, X. and Gao, P. (2016). Asymmetric Collagen/chitosan Membrane Containing Minocycline-loaded Chitosan Nanoparticles for Guided Bone Regeneration. *Scientific Reports*, 6(1). doi:<https://doi.org/10.1038/srep31822>.
- Malhan, D., Muelke, M., Rosch, S., Schaefer, A.B., Merboth, F., Weisweiler, D., Heiss, C., Arganda-Carreras, I. and El Khassawna, T. (2018). An Optimized Approach to Perform Bone Histomorphometry. *Frontiers in Endocrinology*, 9(666), pp.1–10. doi:<https://doi.org/10.3389/fendo.2018.00666>.
- Mitra, T., Sailakshmi, G., Gnanamani, A. and Mandal, A.B. (2013). Studies on Cross-linking of succinic acid with chitosan/collagen. *Materials Research*, 16(4), pp.755–765. doi:<https://doi.org/10.1590/s1516-14392013005000059>.
- Moraschini, V., de Almeida, D.C., Calasans-Maia, M.D., Kischinhevsky, I.C., Louro, R.S., Granjeiro, J.M., 2020. Immunological response of Allogeneic Bone Grafting: A systematic review of prospective studies. *Journal of Oral Pathology & Medicine* 49, 395–403.
- Park, Y.-S., Kim, S., Oh, S.-H., Park, H.-J., Lee, S., Kim, T.-I., Lee, Y.-K. and Heo, M.-S. (2014). Comparison of alveolar ridge preservation methods using three-dimensional micro-computed tomographic analysis and two-dimensional histometric evaluation. *Imaging Science in Dentistry*, 44(2), p.143. doi:<https://doi.org/10.5624/isd.2014.44.2.143>.
- Pascale Chavassieux and Chapurlat, R. (2022). Interest of Bone Histomorphometry in Bone Pathophysiology Investigation: Foundation, Present, and Future. *Frontiers in Endocrinology*, 13. doi:<https://doi.org/10.3389/fendo.2022.907914>.
- Quisiguiña Salem, C., Ruiz Delgado, E., Crespo Reinoso, P.A. and Robalino, J.J. (2023). Alveolar ridge preservation: A review of concepts and controversies. *National Journal of Maxillofacial Surgery*, [online] 14(2), p.167. doi:[https://doi.org/10.4103/njms.njms\\_224\\_22](https://doi.org/10.4103/njms.njms_224_22).

- Rodrigues, M., Latorre, F., Iatecola, A., Massimino, L.C., Maria, A., da, V., Navarro, D., Mariano, E.D., Hirata, M., Muniz, R., Teixeira, M.L., Buchaim, D.V., Buchaim, R.L., Andressa, B. and Pelegriane, A.A. (2023). In Vivo Evaluation of Collagen and Chitosan Scaffold, Associated or Not with Stem Cells, in Bone Repair. *Journal of Functional Biomaterials*, 14(7), pp.357–357. doi:<https://doi.org/10.3390/jfb14070357>.
- Schropp, L., Wenzel, A., Kostopoulos, L. and Karring, T. (2004). Bone healing and soft tissue contour changes following single-tooth extraction: A clinical and radiographic 12-month prospective study. *Int J Periodontics Restorative Dent*, 91(1), pp.313–323. doi:<https://doi.org/10.1016/j.prosdent.2003.10.022>.
- Sukpaita, T., Chirachanchai, S., Chanamuangkon, T., Pimkhaokham, A. and Ampornaramveth, R.S. (2023). Alveolar ridge preservation in rat tooth extraction model by chitosan-derived epigenetic modulation scaffold. *Journal of Prosthodontic Research*, [online] adypub, p.JPR\_D\_23\_00006. doi:[https://doi.org/10.2186/jpr.JPR\\_D\\_23\\_00006](https://doi.org/10.2186/jpr.JPR_D_23_00006).
- Sun, L., Huang, Y., Wang, Y., Luan, H. and Fan, Y. (2014). Comparison of bone histomorphometry and  $\mu$ CT for evaluating bone quality in tail-suspended rats. *Life Sciences in Space Research*, 3, pp.18–23. doi:<https://doi.org/10.1016/j.lssr.2014.07.002>.
- Suzuki, S., Sugihara, N., Kamijo, H., Morita, M., Kawato, T., Tsuneishi, M., Kobayashi, K., Hasuike, Y., Sato, T., 2022. Reasons for tooth extractions in Japan: The Second Nationwide Survey. *International Dental Journal* 72, 366–372.
- Tan, W.L., Wong, T.L.T., Wong, M.C.M. and Lang, N.P. (2011). A systematic review of post-extraction alveolar hard and soft tissue dimensional changes in humans. *Clinical Oral Implants Research*, 23(5), pp.1–21. doi:<https://doi.org/10.1111/j.1600-0501.2011.02375.x>.
- Yuan, S., Li, Q., Chen, K., Mu, Z., Chen, T., Wang, H. and Ji, P. (2021). Ridge preservation applying a novel hydrogel for early angiogenesis and osteogenesis evaluation: an experimental study in canine. *Journal of Biological Engineering*, 15(1). doi:<https://doi.org/10.1186/s13036-021-00271-8>.
- Zhang, H., Wei, Y., Xu, T., Zhen, M., Wang, C., Han, Z., Hu, W., Chung, K.-H., 2022. Assessment of soft and hard tissue characteristics of ridge preservation at molar extraction sites with severe periodontitis: A randomized controlled trial. *BMC Oral Health* 22.
- Zhao, H., Hu, J. and Zhao, L. (2020). Histological analysis of socket preservation using DBBM. A systematic review and meta-analysis. *Journal of Stomatology, Oral and Maxillofacial Surgery*, 121(6), pp.729–735. doi:<https://doi.org/10.1016/j.jormas.2020.04.011>.