

DAFTAR PUSTAKA

- Accorsi-Mendonça, T., Zambuzzi, W. F., Bramante, C. M., Cestari, T. M., Taga, R., Sader, M., De Almeida Soares, G. D. and Granjeiro, J. M. (2011) ‘Biological monitoring of a xenomaterial for grafting: An evaluation in critical-size calvarial defects’, *Journal of Materials Science: Materials in Medicine*, 22(4), pp. 997–1004. DOI: 10.1007/s10856-011-4278-7.
- Akter, F. (2016) *Principles of Tissue Engineering, Tissue Engineering Made Easy*. Elsevier Inc. DOI: 10.1016/B978-0-12-805361-4.00002-3.
- Ausenda, F., Rasperini, G., Acunzo, R., Gorbunkova, A. and Pagni, G. (2019) ‘New perspectives in the use of biomaterials for periodontal regeneration’, *Materials*, 12(13). DOI: 10.3390/ma12132197.
- Bansal, J., Kedige, S. D. and Anand, S. (2010) ‘Hyaluronic acid: A promising mediator for periodontal regeneration’, *Indian Journal of Dental Research*, 21(4), pp. 575–578. DOI: 10.4103/0970-9290.74232.
- Carranza, F. A., Newman, M. G., H.Tahei, H. and Klokkevold, P. R. (2019) ‘Newman and Carranza’s Clinical Periodontology, 13th Edition’, *Saunders*, p. 944
- Casale, M., Moffa, A., Vella, P., Sabatino, L., Capuano, F., Salvinelli, B., Lopez, M. A., Carinci, F. and Salvinelli, F. (2016) ‘Hyaluronic acid: Perspectives in dentistry. A systematic review’, *International Journal of Immunopathology and Pharmacology*, 29(4), pp. 572–582. DOI: 10.1177/0394632016652906.
- Chan, B. P. and Leong, K. W. (2008) ‘Scaffolding in tissue engineering: General approaches and tissue-specific considerations’, *European Spine Journal*, 17(SUPPL. 4). DOI: 10.1007/s00586-008-0745-3.
- Corte Sánchez, D., Yáñez Ocampo, B. R. and Esquivel Chirino, C. A. (2017) ‘Use of hyaluronic acid as an alternative for reconstruction of interdental papilla’, *Revista Odontológica Mexicana*, 21(3), pp. e199–e207. DOI: 10.1016/j.rodmcx.2017.09.017.
- Cyphert, J. M., Trempus, C. S. and Garantziotis, S. (2015) ‘Size Matters: Molecular Weight Specificity of Hyaluronan Effects in Cell Biology’, *International Journal of Cell Biology*, 2015. DOI: 10.1155/2015/563818.

- Damayanti, M. M. and Yuniarti (2016) ‘Review Jurnal : Pengaruh Pemberian Platelet-Rich Fibrin Dalam Mempercepat Proses Penyembuhan Luka Pascaekstraksi Gigi’, *Fakultas Kedokteran Universitas Padjadjaran Bandung*, 6(1), pp. 34–38. DOI: 10.1109/TDEI.2009.5211872.
- Deev, R. V., Drobyshev, A. Y., Bozo, I. Y. and Isaev, A. A. (2015) ‘Ordinary and Activated Bone Grafts: Applied Classification and the Main Features’, *BioMed Research International*. Hindawi Publishing Corporation, 2015. DOI: 10.1155/2015/365050.
- Fallacara, A., Baldini, E., Manfredini, S. and Vertuani, S. (2018) ‘Hyaluronic acid in the third millennium’, *Polymers*, 10(7). DOI: 10.3390/polym10070701.
- Fátima, M. De, Marques, V. and Neves, S. (2020) ‘Thermal characterization of hydroxyapatite or carbonated hydroxyapatite hybrid composites with distinguished collagens for bone graft Mônica Rufino Senra a , Rafaella Barbosa de Lima a , Diego de Holanda Saboya Souza a ’, *Integrative Medicine Research*. Korea Institute of Oriental Medicine, 9(4), pp. 7190–7200. DOI: 10.1016/j.jmrt.2020.04.089.
- Fishman, J. A. (2018) ‘Infectious disease risks in xenotransplantation’, *American Journal of Transplantation*, 18(8), pp. 1857–1864. DOI: 10.1111/ajt.14725.
- George, J. P., Chakravarty, P., Chowdhary, K. Y., Purushothama, H. and Rao, J. A. (2015) ‘Attachment and differentiation of human umbilical cord stem cells on to the tooth root surface with and without the use of fibroblast growth factor- An in vitro study’, *International Journal of Stem Cells*, 8(1), pp. 90–98. DOI: 10.15283/ijsc.2015.8.1.90.
- Glenske, K., Donkiewicz, P., Köwitsch, A., Milosevic-Oljaca, N., Rider, P., Rofall, S., Franke, J., Jung, O., Smeets, R., Schnettler, R., Wenisch, S. and Barbeck, M. (2018) *Applications of metals for bone regeneration*, *International Journal of Molecular Sciences*. DOI: 10.3390/ijms19030826.
- Gomes, P. de S., Daugela, P., Poskevicius, L., Mariano, L. and Fernandes, M. H. (2019) ‘Molecular and Cellular Aspects of Socket Healing in the Absence

- and Presence of Graft Materials and Autologous Platelet Concentrates: a Focused Review', *Journal of Oral and Maxillofacial Research*, 10(3), pp. 1–18. DOI: 10.5037/jomr.2019.10302.
- Haggerty, C. J. and Laughlin, R. M. (2015) *Atlas of operative oral and maxillofacial surgery, Atlas of Operative Oral and Maxillofacial Surgery*. DOI: 10.1002/9781118993729.ch2.
- Hassumi, J. S., Mulinari-Santos, G., Fabris, A. L. da S., Jacob, R. G. M., Gonçalves, A., Rossi, A. C., Freire, A. R., Faverani, L. P. and Okamoto, R. (2018) 'Alveolar bone healing in rats: micro-CT, immunohistochemical and molecular analysis', *Journal of applied oral science : revista FOB*, 26, p. e20170326. DOI: 10.1590/1678-7757-2017-0326.
- Helmy, M. A. (2017) 'Review Article Review of Socket Preservation Technique', *EC Dental Science*, 14(1), pp. 7–14
- Hill, D. R., Rho, H. K., Kessler, S. P., Amin, R., Homer, C. R., McDonald, C., Cowman, M. K. and De La Motte, C. A. (2013) 'Human milk hyaluronan enhances innate defense of the intestinal epithelium', *Journal of Biological Chemistry*, 288(40), pp. 29090–29104. DOI: 10.1074/jbc.M113.468629.
- Hussain, I., Moharamzadeh, K., Brook, I. M., José De Oliveira Neto, P. and Salata, L. A. (2012) 'Evaluation of osteoconductive and osteogenic potential of a dentin-based bone substitute using a calvarial defect model', *International Journal of Dentistry*, 2012. DOI: 10.1155/2012/396316.
- Ikada, Y. (2006) 'Challenges in tissue engineering', *Journal of the Royal Society Interface*, 3(10), pp. 589–601. DOI: 10.1098/rsif.2006.0124.
- Jiang, N., Guo, W., Chen, M., Zheng, Y., Zhou, J., Kim, S. G., Mildred, C., Song, K. S., Marao, H. F. and Mao, J. J. (2017) 'Adaptation : Tooth Movement', pp. 1–8. DOI: 10.1159/000351894. Periodontal.
- Kacarevic, Z. P., Kavehei, F., Houshmand, A., Franke, J., Smeets, R., Rimashevskiy, D., Wenisch, S., Schnettler, R., Jung, O. and Barbeck, M. (2018) 'Purification processes of xenogeneic bone substitutes and their impact on tissue reactions and regeneration', *International Journal of Artificial Organs*, 41(11), pp. 789–800. DOI:

- 10.1177/0391398818771530.
- Kapoor, P., Sachdeva, Shabina and Sachdeva, Silonie (2011) ‘Topical hyaluronic acid in the management of oral ulcers’, *Indian Journal of Dermatology*, 56(3), pp. 300–302. DOI: 10.4103/0019-5154.82485.
- Khoswanto, C. (2019) ‘A New Technique for Research on Wound Healing through Extraction of Mandibular Lower Incisors in Wistar Rats’, *European Journal of Dentistry*, 13(2), pp. 235–237. DOI: 10.1055/s-0039-1694312.
- Kim, Y.-K., Lee, J., Um, I.-W., Kim, K.-W., Murata, M., Akazawa, T. and Mitsugi, M. (2013) ‘Tooth-derived bone graft material’, *Journal of the Korean Association of Oral and Maxillofacial Surgeons*, 39(3), p. 103. DOI: 10.5125/jkaoms.2013.39.3.103.
- Koga, T., Minamizato, T., Kawai, Y., Miura, K. I., Takashi, I., Nakatani, Y., Sumita, Y. and Asahina, I. (2016) ‘Bone regeneration using dentin matrix depends on the degree of demineralization and particle size’, *PLoS ONE*, 11(1), pp. 1–12. DOI: 10.1371/journal.pone.0147235.
- Kolk, A., Handschel, J., Drescher, W., Rothamel, D., Kloss, F., Blessmann, M., Heiland, M., Wolff, K. D. and Smeets, R. (2012) ‘Current trends and future perspectives of bone substitute materials - From space holders to innovative biomaterials’, *Journal of Cranio-Maxillofacial Surgery*. Elsevier Ltd, 40(8), pp. 706–718. DOI: 10.1016/j.jcms.2012.01.002.
- Kresnoadi, U., Hadisoesanto, Y. and Prabowo, H. (2016) ‘Effect of mangosteen peel extract combined with demineralized freezed-dried bovine bone xenograft on osteoblast and osteoclast formation in post tooth extraction socket’, *Dental Journal (Majalah Kedokteran Gigi)*, 49(1), p. 43. DOI: 10.20473/j.djmkg.v49.i1.p43-48.
- Kresnoadi, U., Raharjo, T. and Rostiny, R. (2018) ‘Effects of mangosteen peel extract combined with demineralized freeze-dried bovine bone xenograft on osteocalcin, collagen 1, and osteoblast as alveolar bone regeneration in socket preservation’, *The Journal of Indian Prosthodontic Society*, 18(1), pp. 88–92. DOI: 10.4103/jips.jips_103_18.
- Krismariono, A. (2015) ‘The decreasing of NF κ B level in gingival junctional

- epithelium of rat exposed to *Porphyromonas gingivalis* with application of 1% curcumin on gingival sulcus', *Dental Journal (Majalah Kedokteran Gigi)*, 48(1), p. 35. DOI: 10.20473/j.djmkg.v48.i1.p35-38.
- Laney, W. R. (2007) *Glossary of Oral and Maxillofacial Implants, Int J Oral Maxillofac Implants*. Berlin, Germany: Quintessence Pub. Co.
- Lin, J. H., Tu, C. C., Chen, Y. W., Wang, C. Y., Liu, C. M., Kuo, M. Y. P. and Chang, P. C. (2019) 'Influence of adjacent teeth absence or extraction on the outcome of non-surgical periodontal therapy', *International Journal of Environmental Research and Public Health*, 16(22). DOI: 10.3390/ijerph16224344.
- Liu, J., Ruan, J., Weir, M. D., Ren, K., Schneider, A., Wang, P., Oates, T. W., Chang, X. and Xu, H. H. K. (2019) 'Periodontal Bone-Ligament-Cementum Regeneration via Scaffolds and Stem Cells', *Cells*, 8(6), p. 537. DOI: 10.3390/cells8060537.
- Mani, A., Pawar, B., Pendyala, G., Mustilwar, R., Bhosale, A. and Bhadange, S. (2016) 'Hyaluronic acid - A boon to periodontal therapy', *Pravara Medical Review*, 8(1), pp. 8–13
- Mohammed, A. A., Elsherbini, A. M., Ibrahim, F. M., El-Meadawy, S. M. and Youssef, J. M. (2020) 'Biological effect of the nanocrystalline calcium sulfate bone graft in the periodontal regeneration', *Journal of Oral Biology and Craniofacial Research*. Elsevier Ltd, 11(1), pp. 47–52. DOI: 10.1016/j.jobcr.2020.10.012.
- Molly, L., Vandromme, H., Quirynen, M., Schepers, E., Adams, J. L. and van Steenberghe, D. (2008) 'Bone Formation Following Implantation of Bone Biomaterials Into Extraction Sites', *Journal of Periodontology*, 79(6), pp. 1108–1115. DOI: 10.1902/jop.2008.070476.
- Müller, J., Gorresen, S., Grandoch, M., Feldmann, K., Kretschmer, I., Lehr, S., Ding, Z., Schmitt, J. P., Schrader, J., Garbers, C., Heusch, G., Kelm, M., Scheller, J. and Fischer, J. W. (2014) 'Interleukin-6-dependent phenotypic modulation of cardiac fibroblasts after acute myocardial infarction', *Basic Research in Cardiology*, 109(6). DOI: 10.1007/s00395-014-0440-y.
- Murugan, R., Rao, K. P. and Sampath Kumar, T. S. (2003) 'Heat-deproteinated

- xenogeneic bone from slaughterhouse waste: Physico-chemical properties', *Bulletin of Materials Science*, 26(5), pp. 523–528. DOI: 10.1007/BF02707351.
- Nassif, L. and El Sabban, M. (2011) 'Mesenchymal Stem Cells in Combination with Scaffolds for Bone Tissue Engineering', *Materials*, 4(10), pp. 1793–1804. DOI: 10.3390/ma4101793.
- Ouchi, T. and Nakagawa, T. (2020) 'Mesenchymal stem cell-based tissue regeneration therapies for periodontitis', *Regenerative Therapy*. Elsevier Ltd, 14, pp. 72–78. DOI: 10.1016/j.reth.2019.12.011.
- Pandit, N. and Pandit, I. (2016) 'Autogenous bone grafts in periodontal practice: A literature review', *Journal of the International Clinical Dental Research Organization*, 8(1), p. 27. DOI: 10.4103/2231-0754.176247.
- Pižem, J. and Cör, A. (2003) 'Detection of apoptotic cells in tumour paraffin sections', *Radiology and Oncology*, 37(4), pp. 225–232
- Primadina, N., Basori, A. and Perdanakusuma, D. S. (2019) 'Proses Penyembuhan Luka Ditinjau dari Aspek Mekanisme Seluler dan Molekuler', *Qanun Medika - Medical Journal Faculty of Medicine Muhammadiyah Surabaya*, 3(1), p. 31. DOI: 10.30651/jqm.v3i1.2198.
- Purnomo, W. and Bramantoro, T. (2018) *Pengantar Metodologi Penelitian Bidang Kesehatan*. 1st edn. Surabaya: Airlangga University Press
- Rogers, G. F. and Greene, A. K. (2012) 'Autogenous bone graft: Basic science and clinical implications', *Journal of Craniofacial Surgery*, 23(1), pp. 323–327. DOI: 10.1097/SCS.0b013e318241dcba.
- Rolvien, T., Barvencik, F., Klatte, T. O., Busse, B., Hahn, M., Rueger, J. M. and Rupprecht, M. (2017) 'β-TCP bone substitutes in tibial plateau depression fractures', *Knee*. Elsevier B.V., 24(5), pp. 1138–1145. DOI: 10.1016/j.knee.2017.06.010.
- Rolvien, T., Barbeck, M., Wenisch, S., Amling, M. and Krause, M. (2018) 'Cellular mechanisms responsible for success and failure of bone substitute materials', *International Journal of Molecular Sciences*, 19(10). DOI: 10.3390/ijms19102893.
- Romanò, C. L., De Vecchi, E., Bortolin, M., Morelli, I. and Drago, L. (2016)

- ‘Hyaluronic Acid and Its Composites as a Local Antimicrobial/Antiadhesive Barrier’, *Journal of Bone and Joint Infection*, 2(1), pp. 63–72. DOI: 10.7150/jbji.17705.
- Saebe, M. and Yai, H. (2014) ‘Dentin as Bone Graft Substitution’, *Songklanakarin Dent J*, 2(1), pp. 21–27
- Saima, S., Jan, S., Shah, A., Yousuf, A. and Batra, M. (2016) ‘Bone grafts and bone substitutes in dentistry’, *Journal of Oral Research and Review*, 8(1), p. 36. DOI: 10.4103/2249-4987.182488.
- Setiawati, R. and Rahardjo, P. (2019) ‘Bone Development and Growth’, *Osteogenesis and Bone Regeneration*. DOI: 10.5772/intechopen.82452.
- Setiawatie, E. M., Widiyanti, P., Ryan, M. and Rubianto, M. (2019) ‘Carbonate Hydroxyapatite-Hyaluronic Acid as Bone Healing Accelerator: in-vitro and in-vivo Studies on the Alveolar Bone of Wistar Rats’, *Journal of International Dental and Medical Research*, 12(4), pp. 1280–1286
- Velnar, T., Bailey, T. and Smrkolj, V. (2009) ‘The wound healing process: An overview of the cellular and molecular mechanisms’, *Journal of International Medical Research*, 37(5), pp. 1528–1542. DOI: 10.1177/147323000903700531.