

**DAFTAR PUSTAKA**

Badr, G., Badr, B. M., Mahmoud, M. H., Mohany, M., Rabah, D. M. and Garraud, O. (2012) 'Treatment of diabetic mice with undenatured whey protein accelerates the wound healing process by enhancing the expression of MIP-1 $\alpha$ , MIP-2, KC, CX3CL1 and TGF- $\beta$  in wounded tissue', *BMC Immunology*. DOI: 10.1186/1471-2172-13-32.

Balaji, S. M. and Balaji, P. P. (2018) *Textbook of Oral & Maxillofacial Surgery - E Book*. Haryana: Elsevier. Available at: [https://books.google.co.id/books?hl=en&lr=&id=oaFuDwAAQBAJ&oi=fnd&pg=PP1&dq=info:pfoEbIbZW4wJ:scholar.google.com&ots=ud4zTqntsR&sig=CPkcovDoo6x2YJAF2k77riwmFUY&redir\\_esc=y#v=onepage&q&f=false](https://books.google.co.id/books?hl=en&lr=&id=oaFuDwAAQBAJ&oi=fnd&pg=PP1&dq=info:pfoEbIbZW4wJ:scholar.google.com&ots=ud4zTqntsR&sig=CPkcovDoo6x2YJAF2k77riwmFUY&redir_esc=y#v=onepage&q&f=false).

Barrientos, S., Stojadinovic, O., Golinko, M. S., Brem, H. and Tomic-Canic, M. (2008) 'Growth factors and cytokines in wound healing', *Wound Repair and Regeneration*. DOI: 10.1111/j.1524-475X.2008.00410.x.

Benatti, B. B., Neto, J. B. C., Casati, M. Z., Sallum, E. A., Sallum, A. W. and Nociti, F. H. (2006) 'Periodontal healing may be affected by aging: A histologic study in rats', *Journal of Periodontal Research*. DOI: 10.1111/j.1600-0765.2006.00872.x.

Bishop, A. (2008) 'Role of oxygen in wound healing.', *Journal of wound care*. DOI: 10.12968/jowc.2008.17.9.30937.

Blanchard, F., Duplomb, L., Baud'huin, M. and Brounais, B. (2009) 'The dual role of IL-6-type cytokines on bone remodeling and bone tumors', *Cytokine and*

*Growth Factor Reviews*. DOI: 10.1016/j.cytogfr.2008.11.004.

Boniakowski, A. E., Kimball, A. S., Jacobs, B. N., Kunkel, S. L. and Gallagher, K.

A. (2017) 'Macrophage-Mediated Inflammation in Normal and Diabetic Wound Healing', *The Journal of Immunology*. DOI: 10.4049/jimmunol.1700223.

Brasilino, M. da S., Stringhetta-Garcia, C. T., Pereira, C. S., Pereira, A. A. F.,

Stringhetta, K., Leopoldino, A. M., Crivelini, M. M., Ervolino, E., Dornelles, R. C. M., de Melo Stevanato Nakamune, A. C. and Chaves-Neto, A. H. (2018) 'Mate tea (*Ilex paraguariensis*) improves bone formation in the alveolar socket healing after tooth extraction in rats', *Clinical Oral Investigations*. DOI: 10.1007/s00784-017-2249-1.

Breslin, J. W., Wu, M. H., Guo, M., Reynoso, R. and Yuan, S. Y. (2008) 'Toll-like

receptor 4 contributes to microvascular inflammation and barrier dysfunction in thermal injury', *Shock*. DOI: 10.1097/SHK.0b013e3181454975.

Broughton, G., Janis, J. E. and Attinger, C. E. (2006) 'The basic science of wound

healing', *Plastic and Reconstructive Surgery*. DOI: 10.1097/01.prs.0000225430.42531.c2.

Cáceres, M., Oyarzun, A. and Smith, P. C. (2014) 'Defective wound-healing in

aging gingival tissue', *Journal of Dental Research*. DOI: 10.1177/0022034514533126.

Chen, G. Y. and Nuñez, G. (2010) 'Sterile inflammation: Sensing and reacting to

damage', *Nature Reviews Immunology*. DOI: 10.1038/nri2873.

- Chen, L., Guo, S., Ranzer, M. J. and Dipietro, L. A. (2013) ‘Toll-like receptor 4 has an essential role in early skin wound healing’, *Journal of Investigative Dermatology*. Nature Publishing Group, 133(1), pp. 258–267. DOI: 10.1038/jid.2012.267.
- Chen, L. and Dipietro, L. A. (2017) ‘Toll-like receptor function in acute wounds’, *Advances in Wound Care*, 6(10), pp. 344–355. DOI: 10.1089/wound.2017.0734.
- Coulthard, P., Sloan, P., Theaker, E. and Horner, K. (2013) *Master Dentistry E-Book: Volume 1: Oral and Maxillofacial Surgery, Radiology, Pathology and Oral Medicine*. 3th edn. Elsevier Ltd
- Dasu, M. R. and Isseroff, R. R. (2012) ‘Toll-Like Receptors in Wound Healing : Location , Accessibility , and Timing’, *Journal of Investigative Dermatology*. Elsevier Masson SAS, 132(8), pp. 1955–1958. DOI: 10.1038/jid.2012.208.
- Dasu, M. R. and Jialal, I. (2013) ‘Amelioration in wound healing in diabetic toll-like receptor-4 knockout mice’, *Journal of Diabetes and its Complications*. DOI: 10.1016/j.jdiacomp.2013.05.002.
- Davis, F. M., Kimball, A., DenDekker, A., Joshi, A. D., Boniakowski, A. E., Nysz, D., Allen, R. M., Obi, A., Singer, K., Henke, P. K., Moore, B. B., Kunkel, S. L. and Gallagher, K. A. (2019) ‘Histone Methylation Directs Myeloid TLR4 Expression and Regulates Wound Healing following Cutaneous Tissue Injury’, *The Journal of Immunology*, 202(6), pp. 1777–1785. DOI: 10.4049/jimmunol.1801258.
- Devaraj, S., Tobias, P. and Jialal, I. (2011) ‘Knockout of toll-like receptor-4

attenuates the pro-inflammatory state of diabetes', *Cytokine*. DOI:  
10.1016/j.cyto.2011.03.023.

Dostálová, T. (2010) *Dentistry and Oral Diseases*. Grada Publishing, a.s.

Available at:  
[https://books.google.co.id/books?id=rEu0xPmh8soC&printsec=frontcover  
&hl=fr&source=gbs\\_ge\\_summary\\_r&redir\\_esc=y#v=onepage&q&f=false](https://books.google.co.id/books?id=rEu0xPmh8soC&printsec=frontcover&hl=fr&source=gbs_ge_summary_r&redir_esc=y#v=onepage&q&f=false).

Edwards, R. and Harding, K. G. (2004) 'Bacteria and wound healing', *Current Opinion in Infectious Diseases*. DOI: 10.1097/00001432-200404000-00004.

Eming, S. A., Krieg, T. and Davidson, J. M. (2007) 'Inflammation in wound repair: Molecular and cellular mechanisms', *Journal of Investigative Dermatology*, 127(3), pp. 514–525. DOI: 10.1038/sj.jid.5700701.

Farina, R. and Trombelli, L. (2013) 'Wound Healing of Extraction Sockets', in *Oral Wound Healing: Cell Biology and Clinical Management*. DOI: 10.1002/9781118704509.ch8.

Fathy, W., Soliman, M., Ragheb, A. and Al Ashram, G. (2016) 'Study of toll-like receptor 4 in type 2 diabetic patients with or without nephropathy', *Menoufia Medical Journal*, 29(1), p. 167. DOI: 10.4103/1110-2098.179009.

Gallucci, R. M., Sloan, D. K., Heck, J. M., Murray, A. R. and O'Dell, S. J. (2004) 'Interleukin 6 indirectly induces keratinocyte migration', *Journal of Investigative Dermatology*. DOI: 10.1111/j.0022-202X.2004.22323.x.

Di Gioia, M. and Zanoni, I. (2015) 'Toll-like receptor co-receptors as master

regulators of the immune response’, *Molecular Immunology*. DOI: 10.1016/j.molimm.2014.05.008.

Godbout, J. P. and Glaser, R. (2006) ‘Stress-induced immune dysregulation: Implications for wound healing, infectious disease and cancer’, *Journal of Neuroimmune Pharmacology*. DOI: 10.1007/s11481-006-9036-0.

Gonzalez, A. C. D. O., Andrade, Z. D. A., Costa, T. F. and Medrado, A. R. A. P. (2016) ‘Wound healing - A literature review’, *Anais Brasileiros de Dermatologia*, 91(5), pp. 614–620. DOI: 10.1590/abd1806-4841.20164741.

Grassin-Delyle, S., Abrial, C., Salvator, H., Brollo, M., Naline, E. and Devillier, P. (2020) ‘The Role of Toll-Like Receptors in the Production of Cytokines by Human Lung Macrophages’, *Journal of Innate Immunity*, 12(1), pp. 63–73. DOI: 10.1159/000494463.

Handi, P., Sriwidodo and Ratnawulan, S. (2017) ‘Review Sistematis: Proses Penyembuhan Dan Perawatan Luka’, *Farmaka Journal*, 15(2), pp. 251–256. DOI: 10.24198/JF.V15I2.13366.

Hans, M. and Hans, V. M. (2011) ‘Toll-like receptors and their dual role in periodontitis: a review.’, *Journal of oral science*, 53(3), pp. 263–271. DOI: 10.2334/josnusd.53.263.

Hendrickx, G., Boudin, E., Steenackers, E., Nielsen, T. L., Andersen, M., Brixen, K. and Van Hul, W. (2017) ‘Genetic Screening of WNT4 and WNT5B in Two Populations with Deviating Bone Mineral Densities’, *Calcified Tissue International*. DOI: 10.1007/s00223-016-0213-8.

- Hengartner, N. E., Fiedler, J., Ignatius, A. and Brenner, R. E. (2013) 'IL-1 $\beta$  inhibits human osteoblast migration', *Molecular Medicine*. DOI: 10.2119/molmed.2012.00058.
- Las Heras, F., Inman, R. D., Tsui, F. W. and Pritzker, K. P. (2009) '184 WNT-BETA-CATENIN SIGNALING IS UPREGULATED IN ANK MOUSE CHONDROCYTES', *Osteoarthritis and Cartilage*. DOI: 10.1016/s1063-4584(09)60206-5.
- Hupp, J. R. (2014) 'Prevention and Management of Extraction Complications', in *Contemporary Oral and Maxillofacial Surgery*. DOI: 10.1016/b978-0-323-09177-0.00011-6.
- Hupp, J. R., Ellis, E. and Tucker, M. R. (2019) *Contemporary Oral and Maxillofacial Surgery*. 7th edn. Philadelphia: Elsevier. Available at: <https://books.google.co.id/books?id=LmzWDwAAQBAJ&printsec=frontcover&dq=james+hupp+2013+7e&hl=en&sa=X&ved=2ahUKEwiJvP3Ig9jtAhXOAnIKHS7dDY0Q6AEwAXoECAAQAq#v=onepage&q=james+hupp+2013+7e&f=false>.
- Italiani, P. and Boraschi, D. (2014) 'From monocytes to M1/M2 macrophages: Phenotypical vs. functional differentiation', *Frontiers in Immunology*. DOI: 10.3389/fimmu.2014.00514.
- Jeannin, P., Jaillon, S. and Delneste, Y. (2008) 'Pattern recognition receptors in the immune response against dying cells', *Current Opinion in Immunology*. DOI: 10.1016/j.coi.2008.04.013.
- Jiang, H., Si, Y., Li, Z., Huang, X., Chen, S., Zheng, Y., Xu, G., Chen, X., Chen,

Y., Liu, Y., Xiong, H., Huang, Q., Liang, M. and Zhang, Z. (2016) 'TREM-2 promotes acquired cholesteatoma-induced bone destruction by modulating TLR4 signaling pathway and osteoclasts activation', *Scientific Reports*. Nature Publishing Group, 6(November 2015), pp. 1–15. DOI: 10.1038/srep38761.

Jiang, Y., Tsoi, L. C., Billi, A. C., Ward, N. L., Harms, P. W., Zeng, C., Maverakis, E., Michelle Kahlenberg, J. and Gudjonsson, J. E. (2020) 'Cytokinocytes: The diverse contribution of keratinocytes to immune responses in skin', *JCI Insight*. DOI: 10.1172/jci.insight.142067.

Kee, J. L. and Hayes, E. R. (1993) *Pharmacology: A Nursing Process Approach*. W.B Saunders Company. Available at: <https://books.google.co.id/books?id=BftFTitO30AC&pg=PA589&dq=diabetes+mellitus+ditandai+dengan+glukosa+darah&hl=id&sa=X&ved=2ahUKEwj9r-bkkPuAhVQbysKHXawBuIQ6AEwAHoECAMQAg#v=onepage&q=diabetes+mellitus+ditandai+dengan+glukosa+darah&f=false>.

Khoswanto, C. (2019a) 'A New Technique for Research on Wound Healing through Extraction of Mandibular Lower Incisors in Wistar Rats', *European Journal of Dentistry*. DOI: 10.1055/s-0039-1694312.

Khoswanto, C. (2019b) 'Optimum concentration anredera cordifolia (Ten.) steenis gel in increasing the expression BMP-2 and the number of osteoblasts post tooth extraction in wistar rats', *Journal of International Dental and Medical Research*

- Khoswanto, C. (2020) 'Hypoxia inducible factor 1 $\alpha$  as key factor in wound healing post tooth extraction: An overview', *Journal of International Dental and Medical Research*
- Kramer, H. and Molitch, M. E. (2005) 'Screening for kidney disease in adults with diabetes', *Diabetes Care*. DOI: 10.2337/diacare.28.7.1813.
- Kuzmich, N. N., Sivak, K. V., Chubarev, V. N., Porozov, Y. B., Savateeva-Lyubimova, T. N. and Peri, F. (2017) 'TLR4 signaling pathway modulators as potential therapeutics in inflammation and sepsis', *Vaccines*, 5(4), pp. 1–25. DOI: 10.3390/vaccines5040034.
- Ladefoged, M., Buschard, K. and Hansen, A. M. K. (2013) 'Increased expression of toll-like receptor 4 and inflammatory cytokines, interleukin-6 in particular, in islets from a mouse model of obesity and type 2 diabetes', *Apmis*, 121(6), pp. 531–538. DOI: 10.1111/apm.12018.
- Lalla, E. and Papapanou, P. N. (2011) 'Diabetes mellitus and periodontitis: A tale of two common interrelated diseases', *Nature Reviews Endocrinology*. DOI: 10.1038/nrendo.2011.106.
- Lande, R., Kepel, B. J. and Siagian, K. V. (2015) 'GAMBARAN FAKTOR RISIKO DAN KOMPLIKASI PENCABUTAN GIGI DI RSGM PSPDG-FK UNSRAT', *e-GIGI*. DOI: 10.35790/eg.3.2.2015.10012.
- Landén, N. X., Li, D. and Ståhle, M. (2016) 'Transition from inflammation to proliferation: a critical step during wound healing', *Cellular and Molecular Life Sciences*, 73(20), pp. 3861–3885. DOI: 10.1007/s00018-016-2268-0.



- Larjava, H. (2013) 'Oral Wound Healing: An Overview', in *Oral Wound Healing: Cell Biology and Clinical Management*. DOI: 10.1002/9781118704509.ch1.
- Lu, Y. C., Yeh, W. C. and Ohashi, P. S. (2008) 'LPS/TLR4 signal transduction pathway', *Cytokine*, 42(2), pp. 145–151. DOI: 10.1016/j.cyto.2008.01.006.
- Ma'at, S. (2018) 'Toll-like Receptor (TLR) dan Imunitas Natura', *Indonesian Journal of Clinical Pathology and Medical Laboratory*, 15(3), p. 111. DOI: 10.24293/ijcpml.v15i3.978.
- Mardiyantoro, F., Munika, K., Sutanti, V., Cahyati, M. and Pratiwi, A. R. (2018) *Penyembuhan Luka Rongga Mulut*. 1st edn. Malang: UB Press.
- Available at: [https://books.google.co.id/books?hl=en&lr=&id=ntWFDwAAQBAJ&oi=fnd&pg=PR5&dq=info:VBITGMgkXMUJ:scholar.google.com&ots=TAVLs3m-OS&sig=ON5ShDemoSbvwKVxz7sTccrXXOw&redir\\_esc=y#v=onepage&q&f=false](https://books.google.co.id/books?hl=en&lr=&id=ntWFDwAAQBAJ&oi=fnd&pg=PR5&dq=info:VBITGMgkXMUJ:scholar.google.com&ots=TAVLs3m-OS&sig=ON5ShDemoSbvwKVxz7sTccrXXOw&redir_esc=y#v=onepage&q&f=false).
- McClure, R. and Massari, P. (2014) 'TLR-dependent human mucosal epithelial cell responses to microbial pathogens', *Frontiers in Immunology*, 5(AUG), pp. 1–13. DOI: 10.3389/fimmu.2014.00386.
- Molteni, M., Gemma, S. and Rossetti, C. (2016) 'The Role of Toll-Like Receptor 4 in Infectious and Noninfectious Inflammation', *Mediators of Inflammation*, 2016. DOI: 10.1155/2016/6978936.

Morison, M. J. (2004) *Manajemen Luka*. Jakarta: Penerbit Buku Kedokteran EGC.

Available at:

<https://books.google.co.id/books?id=Hg2gBYPP9fcC&printsec=frontcover&hl=id#v=onepage&q&f=false>.

Müller, H. D., Caballé-Serrano, J., Lussi, A. and Gruber, R. (2017) 'Inhibitory effect of saliva on osteoclastogenesis in vitro requires toll-like receptor 4 signaling', *Clinical Oral Investigations*. DOI: 10.1007/s00784-016-2041-7.

Murray, P. J. and Wynn, T. A. (2011) 'Protective and pathogenic functions of macrophage subsets', *Nature Reviews Immunology*. DOI: 10.1038/nri3073.

Ningsih, J. R. (2018) *Ilmu Dasar Kedokteran Gigi*. 1st edn. Surakarta: Muhammadiyah University Press. Available at: [https://books.google.co.id/books?id=Umx2DwAAQBAJ&pg=PA213&dq=penyembuhan+lukafase+proliferasi&hl=id&sa=X&ved=2ahUKEwjbn4r7lrPuAhU6\\_XMBHULaCSgQ6AEwAHoECAYQA#v=onepage&q=penyembuhan+lukafase+proliferasi&f=false](https://books.google.co.id/books?id=Umx2DwAAQBAJ&pg=PA213&dq=penyembuhan+lukafase+proliferasi&hl=id&sa=X&ved=2ahUKEwjbn4r7lrPuAhU6_XMBHULaCSgQ6AEwAHoECAYQA#v=onepage&q=penyembuhan+lukafase+proliferasi&f=false).

O'Connell, R. M., Rao, D. S. and Baltimore, D. (2012) 'MicroRNA regulation of inflammatory responses', *Annual Review of Immunology*. DOI: 10.1146/annurev-immunol-020711-075013.

O'Ryan, F. S. and Lo, J. C. (2012) 'Bisphosphonate-related osteonecrosis of the jaw in patients with oral bisphosphonate exposure: Clinical course and outcomes', *Journal of Oral and Maxillofacial Surgery*. DOI:

10.1016/j.joms.2011.08.033.

Pakyari, M., Farrokhi, A., Maharlooei, M. K. and Ghahary, A. (2013) 'Critical Role of Transforming Growth Factor Beta in Different Phases of Wound Healing', *Advances in Wound Care*. DOI: 10.1089/wound.2012.0406.

Park, J. E. and Barbul, A. (2004) 'Understanding the role of immune regulation in wound healing', *American Journal of Surgery*, 187(5 SUPPL. 1), pp. S11–S16. DOI: 10.1016/S0002-9610(03)00296-4.

Payung, H., Anindita, P. S. and Hutagalung, B. S. P. (2015) 'Gambaran Kontraindikasi Pencabutan Gigi Di Rsgm Unsrat Tahun 2014', *Jurnal Kedokteran Komunitas Dan Tropik*, 3(3), pp. 170–179

Pérez-Cano, F. J., Massot-Cladera, M., Rodríguez-Lagunas, M. J. and Castell, M. (2014) 'Flavonoids affect host-microbiota crosstalk through TLR modulation', *Antioxidants*. DOI: 10.3390/antiox3040649.

Peri, F., Piazza, M., Calabrese, V., Damore, G. and Cighetti, R. (2010) 'Exploring the LPS/TLR4 signal pathway with small molecules', *Biochemical Society Transactions*, 38(5), pp. 1390–1395. DOI: 10.1042/BST0381390.

Peterson, J. L. (2004) *Peterson's principles of oral and maxillofacial surgery*. 4th edn, *Head & Neck*. 4th edn. St. Louis: The C.V Mosby Company. DOI: 10.1002/hed.20401.

Piccinini, A. M. and Midwood, K. S. (2014) 'Illustrating the interplay between the extracellular matrix and microRNAs', *International Journal of Experimental Pathology*. DOI: 10.1111/iep.12079.

- Politis, C., Schoenaers, J., Jacobs, R. and Agbaje, J. O. (2016) 'Wound healing problems in the mouth', *Frontiers in Physiology*. DOI: 10.3389/fphys.2016.00507.
- Portou, M. J., Baker, D., Abraham, D. and Tsui, J. (2015) 'The innate immune system, toll-like receptors and dermal wound healing: A review', *Vascular Pharmacology*. Elsevier B.V., 71, pp. 31–36. DOI: 10.1016/j.vph.2015.02.007.
- Pourgonabadi, S., Müller, H. D., Mendes, J. R. and Gruber, R. (2017) 'Saliva initiates the formation of pro-inflammatory macrophages in vitro', *Archives of Oral Biology*. DOI: 10.1016/j.archoralbio.2016.10.012.
- Primadina, N., Basori, A. and Perdanakusuma, D. (2019) 'Qanun Medika Januari Desember : Desember Januari 2019', *Qanun Medika*, 3(1), pp. 31–43
- Putri, E. (2016) *Pengaruh Ekstrak Daun Kelor (Moringa oleifera) Terhadap Kecepatan Angiogenesis Paska Ekstraksi Gigi Tikus Wistar*
- Ran, S., Bhattarai, N., Patel, R. and Volk-Draper, L. (2020) 'TLR4-Induced Inflammation Is a Key Promoter of Tumor Growth, Vascularization, and Metastasis', *Translational Studies on Inflammation*. DOI: 10.5772/intechopen.85195.
- Rastogi, A., Sukumar, S., Hajela, A., Mukherjee, S., Dutta, P., Bhadada, S. K. and Bhansali, A. (2017) 'The microbiology of diabetic foot infections in patients recently treated with antibiotic therapy: A prospective study from India', *Journal of Diabetes and its Complications*. DOI: 10.1016/j.jdiacomp.2016.11.001.

Rodriguez, P. G., Felix, F. N., Woodley, D. T. and Shim, E. K. (2008) 'The role of oxygen in wound healing: A review of the literature', *Dermatologic Surgery*.

DOI: 10.1111/j.1524-4725.2008.34254.x.

Rosa Ramirez, S. and Ravi Krishna Dasu, M. (2012) 'Toll-like Receptors and Diabetes Complications: Recent Advances', *Current Diabetes Reviews*.

DOI: 10.2174/157339912803529887.

Roy, S., Das, A. and Sen, C. K. (2013) 'Disorder of localized inflammation in wound healing: A systems perspective', in *Complex Systems and Computational Biology Approaches to Acute Inflammation*. DOI:

10.1007/978-1-4614-8008-2\_10.

Ruland, J. (2011) 'Return to homeostasis: Downregulation of NF- $\kappa$ B responses', *Nature Immunology*. DOI: 10.1038/ni.2055.

Saghazadeh, A. and Rezaei, N. (2020) 'Introductory Chapter: Toll-Like Receptors', in *Toll-like Receptors*. DOI: 10.5772/intechopen.88493.

Sanghai, S. A. (2009) *Concise Textbook of Oral and Maxillofacial Surgery*. New Delhi: Jaypee Brothers Medical Publishers

Schultz, G. S., Chin, G. A., Moldawer, L. and Diegelmann, R. F. (2011) 'Principles of wound healing', *Mechanisms of Vascular Disease: A Reference Book for Vascular Specialists*, (January), pp. 423–450. DOI: 10.1017/UPO9781922064004.024.

Serhan, C. N., Chiang, N. and Van Dyke, T. E. (2008) 'Resolving inflammation: Dual anti-inflammatory and pro-resolution lipid mediators', *Nature Reviews*

*Immunology*. DOI: 10.1038/nri2294.

Shah, R., Domah, F., Shah, N. and Domah, J. (2020) 'Surgical Wound Healing in the Oral Cavity: a Review', *Dental Update*. DOI: 10.12968/denu.2020.47.2.135.

Shaw, T. J. and Martin, P. (2009) 'Wound repair at a glance', *Journal of Cell Science*. DOI: 10.1242/jcs.031187.

Sindrilaru, A. and Scharffetter-Kochanek, K. (2013) 'Disclosure of the Culprits: Macrophages—Versatile Regulators of Wound Healing', *Advances in Wound Care*. DOI: 10.1089/wound.2012.0407.

Smith, P. C. and Martínez, C. (2018) 'Wound healing in the oral mucosa', *Oral Mucosa in Health and Disease: A Concise Handbook*, pp. 77–90. DOI: 10.1007/978-3-319-56065-6\_6.

Sousounis, K., Baddour, J. A. and Tsonis, P. A. (2014) 'Aging and Regeneration in Vertebrates', in *Current Topics in Developmental Biology*. DOI: 10.1016/B978-0-12-391498-9.00008-5.

Suga, H., Sugaya, M., Fujita, H., Asano, Y., Tada, Y., Kadono, T. and Sato, S. (2014) 'TLR4, rather than TLR2, regulates wound healing through TGF- $\beta$  and CCL5 expression', *Journal of Dermatological Science*. DOI: 10.1016/j.jdermsci.2013.10.009.

Sugiaman, V. K. (2011) 'Peningkatan Penyembuhan Luka di Mukosa Oral Melalui Pemberian Aloe Vera ( Linn .) Secara Topikal Topikal', *Maranatha Journal of Medicine and Health*, 11(1), pp. 70–79

- Takeuchi, O. and Akira, S. (2010) 'Pattern Recognition Receptors and Inflammation', *Cell*. Elsevier Inc., 140(6), pp. 805–820. DOI: 10.1016/j.cell.2010.01.022.
- Thompson, W. L. and Van Eldik, L. J. (2009) 'Inflammatory cytokines stimulate the chemokines CCL2/MCP-1 and CCL7/MCP-7 through NFκB and MAPK dependent pathways in rat astrocytes', *Brain Research*. DOI: 10.1016/j.brainres.2009.06.081.
- Tsuji, K., Bandyopadhyay, A., Harfe, B. D., Cox, K., Kakar, S., Gerstenfeld, L., Einhorn, T., Tabin, C. J. and Rosen, V. (2006) 'BMP2 activity, although dispensable for bone formation, is required for the initiation of fracture healing', *Nature Genetics*. DOI: 10.1038/ng1916.
- Turabelidze, A. and Dipietro, L. A. (2013) 'Inflammation and Wound Healing', in *Oral Wound Healing: Cell Biology and Clinical Management*. DOI: 10.1002/9781118704509.ch3.
- Ugwumba, C. U., Adeyemo, W. L., Odeniyi, O. M., Arotiba, G. T. and Ogunsola, F. T. (2014) 'Preoperative administration of 0.2% chlorhexidine mouthrinse reduces the risk of bacteraemia associated with intra-alveolar tooth extraction', *Journal of Cranio-Maxillofacial Surgery*. DOI: 10.1016/j.jcms.2014.06.015.
- Vannella, K. M. and Wynn, T. A. (2017) 'Mechanisms of Organ Injury and Repair by Macrophages\*', *Annual Review of Physiology*. DOI: 10.1146/annurev-physiol-022516-034356.
- Vaure, C. and Liu, Y. (2014) 'A comparative review of toll-like receptor 4

expression and functionality in different animal species', *Frontiers in Immunology*, 5(JUL), pp. 1–15. DOI: 10.3389/fimmu.2014.00316.

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.

Vieira, A. E., Repeke, C. E., De Barros Ferreira, S., Colavite, P. M., Biguetti, C. C., Oliveira, R. C., Assis, G. F., Taga, R., Trombone, A. P. F. and Garlet, G. P. (2015) 'Intramembranous bone healing process subsequent to tooth extraction in mice: Micro-computed tomography, histomorphometric and molecular characterization', *PLoS ONE*, 10(5), pp. 1–22. DOI: 10.1371/journal.pone.0128021.

Wan, C. P., Leung, W. K., Wong, M. C. M., Wong, R. M. S., Wan, P., Lo, E. C. M. and Corbet, E. F. (2009) 'Effects of smoking on healing response to non-surgical periodontal therapy: A multilevel modelling analysis', *Journal of Clinical Periodontology*. DOI: 10.1111/j.1600-051X.2008.01371.x.

Wang, L., Wang, J., Fang, J., Zhou, H., Liu, X. and Su, S. B. (2015) 'High glucose induces and activates Toll-like receptor 4 in endothelial cells of diabetic retinopathy', *Diabetology & Metabolic Syndrome*. BioMed Central, 7(1), pp. 1–10. DOI: 10.1186/s13098-015-0086-4.

Wilgus, T. A., Roy, S. and McDaniel, J. C. (2013) 'Neutrophils and Wound Repair: Positive Actions and Negative Reactions', *Advances in Wound Care*. DOI: 10.1089/wound.2012.0383.



- Wray, D., Stenhouse, D., Lee, D. and Clark, A. J. E. (2003) *Textbook of general and oral surgery*. Churchill Livingstone: Elsevier Inc.
- Wynn, T. A. and Vannella, K. M. (2016) 'Macrophages in Tissue Repair, Regeneration, and Fibrosis', *Immunity*. DOI: 10.1016/j.immuni.2016.02.015.
- Yu, B., Chang, J., Liu, Y., Li, J., Kevork, K., Al-Hezaimi, K., Graves, D. T., Park, N. H. and Wang, C. Y. (2014) 'Wnt4 signaling prevents skeletal aging and inflammation by inhibiting nuclear factor- $\kappa$ B', *Nature Medicine*. DOI: 10.1038/nm.3586.
- Yu, B., Li, Q. and Zhou, M. (2019) 'LPS-induced upregulation of the TLR4 signaling pathway inhibits osteogenic differentiation of human periodontal ligament stem cells under inflammatory conditions', *International Journal of Molecular Medicine*. DOI: 10.3892/ijmm.2019.4165.
- Zhang, T. and Yao, Y. (2019) 'Effects of inflammatory cytokines on bone/cartilage repair', *Journal of Cellular Biochemistry*, 120(5), pp. 6841–6850. DOI: 10.1002/jcb.27953.
- Zhao, C., Yu, T., Dou, Q., Guo, Y., Yang, X. and Chen, Y. (2020) 'Knockout of TLR4 promotes fracture healing by activating Wnt/ $\beta$ -catenin signaling pathway', *Pathology Research and Practice*. DOI: 10.1016/j.prp.2019.152766.
- Zhao, R., Liang, H., Clarke, E., Jackson, C. and Xue, M. (2016) 'Inflammation in Chronic Wounds', pp. 1–14. DOI: 10.3390/ijms17122085.