

DAFTAR PUSTAKA

- Abbas A.K., Lichtman A.H., Pillai S., 2014, *Basic Immunology, Fourth Edition*, Elsevier, Saunders, Philadelphia
- Anief M., 2007, *Ilmu Meracik Obat*, Gadjah Mada University Press, Yogyakarta.
- Aydemir I., Öztürk S., Sönmez P.K., Tuğlu M.I., 2016, Mesenchymal stem cells in skin wound healing, *Anatomy* 10(3): 228-234.
- Brownrigg J.R., Apelqvist J., Bakker K., Schaper N.C., Hinchliffe R.J., 2013, Evidence-based management of PAD & the diabetic foot, *Eur J Vasc Endovasc Surg* 45:673–681.
- Bryant R.A., Nix., 2007, *Acute & chronic wounds current management concept*. 3rd edition. USA: Mosby Elsevier.
- Cahill E.F., Kennelly H., Carty F., Mahon B.P., English K., 2016, Hepatocyte growth factor is required for mesenchymal stromal cell protection against bleomycin-induced pulmonary fibrosis, *Stem Cells Transl Med.* 5(10): 1307–1318.
- Chen L., Tredget E.E., Wu P.Y.G., Wu Y., 2008, Paracrine Factors of Mesenchymal Stem Cells Recruit Macrophages and Endothelial Lineage Cells and Enhance Wound Healing, *PLoS ONE* 3(4): e1886.
- Dazzi F., Krampera M., 2011, Mesenchymal stem cells and autoimmune diseases, *Best Pract Res Clin Haematol* 24: 49-57
- De Oliveira S., Rosowski E.E., Huttenlocher A., 2016, Neutrophil migration in infection and wound repair: going forward in reverse, *Nature Reviews Immunology* 16(6):378–391.
- Demidova-Rice T.N., Hamblin M.R., Herman I.M., , 2012, Acute and impaired wound healing: Pathophysiology and current methods for drug delivery, part 1: normal and chronic wounds: biology, causes, and approaches to care, *Advances in Skin and Wound Care* 25(7):304–314.
- Dipietro L.A., 2013, Angiogenesis and scar formation in healing wounds, *Current Opinion in Rheumatology* 25(1):87–91.
- Eming S.A., Martin P., Tomic-Canic M., 2014, Wound repair and regeneration: mechanisms, signaling, and translation, *Science Translational Medicine* 6(265).

- Galvan-Pena S. O'Neill L.A.J., 2014, Metabolic reprogramming in macrophage polarization, *Frontiers in Immunology* 5, Article ID Article 420.
- Ganeshkumar M., Ponrasu T., Krithika R., Iyappan K., Gayathri V.S., Suguna L., 2012, Topical application of *Acalypha indica* accelerates rat cutaneous wound healing by up-regulating the expression of Type I and III collagen, *Journal of Ethnopharmacology*, 142(1):14–22.
- Gnecchi M., Zhang Z., Ni A., 2008, Paracrine mechanisms in adult stem cell signaling and therapy, *Circ Res.* 103:1204–1219.
- Hofer H.R., Tuan R.S., 2016, Secreted trophic factors of mesenchymal stem cells support neurovascular and musculoskeletal therapies, *Stem Cell Res Ther.* 7(1): 131.
- Hung S.P., Yang M.H., Tseng K.F., Lee O.K., 2012, Hypoxia-induced secretion of TGF-beta 1 in mesenchymal stem cell promotes breast cancer cell progression, *Cell Transplant* 22:1869–1882.
- Kim H.O., Choi S., 2013, Mesenchymal stem cell-derived secretome and microvesicles as a cell-free therapeutics for neurodegenerative disorders, *Tissue Engineering and Regenerative Medicine* 10(3):93–101.
- Kolaczowska E., Kubes P., 2013, Neutrophil recruitment and function in health and inflammation, *Nature Reviews Immunology*, 13(3): 159–175.
- Kwon H.M., Hur S.M., Park K.Y., Kim C.K., Kim Y.M., Kim H.S., Shin H.C., Won M.H., Ha K.S., Kwon Y.G., Lee D.H., Kim Y.M., 2014, Multiple paracrine factors secreted by mesenchymal stem cells contribute to angiogenesis, *Vascul Pharmacol* S1537-1891.
- Landen N.X., Li, D., Stahle M., 2016, Transition from inflammation to proliferation: a critical step during wound healing, *Cellular and Molecular Life Sciences* 73(20):3861–3885
- Lee D.E, Ayoub N., Agrawal D.K., 2016, Mesenchymal stem cells and cutaneous wound healing: novel methods to increase cell delivery and therapeutic efficacy, *Stem Cell Research & Therapy* 7:37.
- Levinson H., 2013, A paradigm of fibroblast activation and dermal wound contraction to guide the development of therapies for chronicwoundsandpathologicscars, *Advances in Wound Care* 2(4):149–159.

- Li M., Luan F., Zhao Y., Hao H., Liu J., Dong L., Fu X., Han W., 2017, Mesenchymal stem cell-conditioned medium accelerates wound healing with fewer scars, *Int Wound J.* 14(1):64-73.
- Lotfinia M., Lak S., Ghahhari N.M., Johari B., Maghsood F., Parsania S., Tabrizi B.S. Kadivar M., 2017, Hypoxia pre-conditioned embryonic mesenchymal stem cell secretome reduces il-10 production by peripheral blood mononuclear cells, *Iranian Biomedical Journal* 21(1): 24-31.
- Ma S., Xie N., Li W., Yuan B., Shi Y., Wang Y., 2014, Immunobiology of mesenchymal stem cells, *Cell Death and Differentiation* 21:216–225.
- Ma X.L., Liu K.D., Li F.C., Jiang X.M., Jiang L., Li H.L., 2013, Human mesenchymal stem cells increases expression of α -tubulin and angiopoietin 1 and 2 in focal cerebral ischemia and reperfusion, *Curr Neurovasc Res* 10:103–111.
- MacLeod A.S., Rudolph R., Corriden R., Ye I., Garijo O., Havran W.L., 2014, Skin-resident T cells sense ultraviolet radiation-induced injury and contribute to DNA repair, *Journal of Immunology* 192(12):: 5695–5702.
- Mantovani A., Biswas S.K., Galdiero M.R., Sica A., Locati M., 2013, Macrophage plasticity and polarization in tissue repair and remodelling, *The Journal of Pathology* 229(2):176–185.
- Mayadas T. N., Cullere X., Lowell C.A., 2014, The multifaceted functions of neutrophils, *Annual Review of Pathology* 9:181–218.
- Murray P.J., Wynn T.A., 2011, Protective and pathogenic functions of macrophage subsets, *Nature Reviews Immunology* 11(11):723–737.
- Noda K., Nakao S., Ishida S., Ishibashi T., 2012, Leukocyte adhesion molecules in diabetic retinopathy, *Journal of Ophthalmology*
- Novak M.L., Koh T.J., 2013, Macrophage phenotypes during tissue repair, *Journal of Leukocyte Biology* 93(6):875–881.
- Nussbaum C., Bannenberg S., Keul P., 2015, Sphingosine-1-phosphate receptor 3 promotes leukocyte rolling by mobilizing endothelial P-selectin, *Nature Communications* 6:6416.
- Pankajakshan D., Agrawal D.K., 2014, Mesenchymal Stem Cell Paracrine Factors in Vascular Repair and Regeneration, *J Biomed Technol Res.* 1(1): 10.19104.
- Pastar I., Stojadinovic O., Yin N.C., 2014, Epithelialization in wound healing: a comprehensive review, *Advances in Wound Care* 3(7):445–464.

- Paterson Y.Z., Rash N., Garvican E.R., Paillot R., Guest D.J., 2014, Equine mesenchymal stromal cells and embryo-derived stem cells are immune privileged *in vitro*, *Stem cell research and therapy* 5(4): 90.
- Pawitan J.A., 2014, Prospect of Stem Cell Conditioned Medium in Regenerative Medicine, *BioMed Research International* (2014).
- Penn J.W., Grobbelaar O.A., Rolfe K.J., 2012, The role of the TGF- β family in wound healing, burns and scarring: a review, *International Journal of Burns and Trauma* 2:18–28.
- Pouriran R., Piryaei A., Mostafavinia A., Zandpazandi S., Hendudari F., Amini A., Bayat M., 2016, The effect of combined pulsed wave low-level laser therapy and human bone marrow mesenchymal stem cell-conditioned medium on open skin wound healing in diabetic rats, *Photomed Laser Surg.* 34(8):345-54.
- Reinke J.M., Sorg H, 2012, *Wound Repair and Regeneration*, European Surgical Research, Department of Plastic, Hand and Reconstructive Surgery, Hannover Medical School, Hannover, Germany, p. 38 – 40.
- Rice J.B., Desai U., Cummings A.K., Birnbaum H.G., Skornicki M., Parsons N.B., 2014, Burden of diabetic foot ulcers for medicare and private insurers, *Diabetes Care* 37:651–658.
- Richmond N.A., Maderal A.D., Vivas A.C., 2013, Evidence-based management of common chronic lower extremity ulcers, *Dermatol Ther.* 26:187–196.
- Serra M.B., Barroso W.A., da Silva N.N., Silva S.N., Borges A.C.R., Abreu I.C., Borges M.O.R., 2017, From inflammation to current and alternative therapies involved in wound healing, *Hindawi International Journal of Inflammation* Volume 2017.
- Shi Y., Su J., Roberts A.I., Shou P., Rabson A.B., Ren G., 2012, How mesenchymal stem cells interact with tissue immune responses, *Trends Immunol* 33:136–143.
- Situm M., Kolić M., Redzepi G., Antolić S., 2014, Chronic wounds as a public health problem, *Acta Med Croatica* 68 Suppl 1:5-7.
- Siviero F., 2013, *Biologia celular: bases moleculares e metodologia de pesquisa* 1st edition,, Roca, Sao Paulo, Brazil.
- Sjamsuhidajat R., 2013, *Buku Ajar Ilmu Bedah, Edisi 3*, EGC, Jakarta.

- Slavich G.M., Irwin M.R., 2014, From stress to inflammation and major depressive disorder: a social signal transduction theory of depression, *Psychological Bulletin* 140(3):774–815.
- Tamama K., Kawasaki H., Kerpedjieva S.S., Guan J., Ganju R.K., Sen C.K., 2011, Differential roles of hypoxia inducible factor subunits in multipotential stromal cells under hypoxic condition, *J Cell Biochem.* 112(3):804-17.
- Tamama K., Kerpedjieva S.S., 2012, Acceleration of wound healing by multiple growth factors and cytokines secreted from multipotential stromal cells/mesenchymal stem cells, *Adv Wound Care (New Rochelle)*. 1(4): 177–182.
- Wilgus T.A., Roy S., McDaniel J.C., 2013, Neutrophils and wound repair: positive actions and negative reactions, *Advances in Wound Care* 2(7):379–388.
- Williams A.R., Hare J.M., 2011, Mesenchymal stem cells: Biology, pathophysiology, translational findings, and therapeutic implications for cardiac disease, *Circ Res.* 109(8): 923–940.
- You H.J., Han S.K., 2014, Cell therapy for wound healing, *Journal of Korean Medical Science* 29(3): 311–319.