

DAFTAR PUSTAKA

- Abbasi, S., Sinha, S., Labit, E., Rosin, N. L., Yoon, G., Rahmani, W., Jaffer, A., Sharma, N., Hagner, A., Shah, P., Arora, R., Yoon, J., Islam, A., Uchida, A., Chang, C. K., Stratton, J. A., Scott, R. W., Rossi, F. M. V., Underhill, T. M., & Biernaskie, J. (2020). Distinct Regulatory Programs Control the Latent Regenerative Potential of Dermal Fibroblasts during Wound Healing. *Cell Stem Cell*, 27(3), 396-412.e6. <https://doi.org/10.1016/j.stem.2020.07.008>.
- Ahangar, P., Mills, S. J., & Cowin, A. J. (2020). Mesenchymal Stem Cell Secretome as an Emerging Cell-Free Alternative for Improving Wound Repair. *International Journal of Molecular Sciences*, 21(19), 703. <https://doi.org/10.3390/ijms21197038>.
- Alavi, A., Sibbald, R. G., Mayer, D., Goodman, L., Botros, M., Armstrong, D. G., Woo, K., Boeni, T., Ayello, E. A., & Kirsner, R. S. (2014). Diabetic foot ulcers. *Journal of the American Academy of Dermatology*, 70(1), 1.e1-1.e18. <https://doi.org/10.1016/j.jaad.2013.06.055>.
- Al-Rubeaan, K., al Derwish, M., Ouizi, S., Youssef, A. M., Subhani, S. N., Ibrahim, H. M., & Alamri, B. N. (2015). Diabetic Foot Complications and Their Risk Factors from a Large Retrospective Cohort Study. *PLOS ONE*, 10(5), e0124446. <https://doi.org/10.1371/journal.pone.0124446>.
- Ansari, P., Akther, S., Khan, J. T., Islam, S. S., Masud, Md. S. R., Rahman, A., Seidel, V., & Abdel-Wahab, Y. H. A. (2022). Hyperglycaemia-Linked Diabetic Foot Complications and Their Management Using Conventional and Alternative Therapies. *Applied Sciences*, 12(22), 11777. <https://doi.org/10.3390/app122211777>.
- Ayadi, A., Jay, J. W., & Prasai, A. (2020). Current Approaches Targeting the Wound Healing Phases to Attenuate Fibrosis and Scarring. *International Journal of Molecular Sciences*, 21(3), 1105. <https://doi.org/10.3390/ijms21031105>.
- Azaria, C., Achadiyani, A., & Farenia, R. (2017). Topical Effect of Pineapple (<i>Ananas comosus</i>) Juice in Combustio Healing Process Measured by Granulation Process, Reepitelialisation and Angiogenesis. *Journal Of Medicine & Health*, 1(5). <https://doi.org/10.28932/jmh.v1i5.539>.
- Barros, J. F., Wacławski, I., Pecli, C., Borges, P. A., Georgii, J. L., Ramos-Junior, E. S., Canetti, C., Courau, T., Klatzmann, D., Kunkel, S. L., Penido, C., Canto, F. B., & Benjamim, C. F. (2019). Role of Chemokine Receptor CCR4 and Regulatory T Cells in Wound Healing of Diabetic Mice. *Journal of Investigative Dermatology*, 139(5), 1161–1170. <https://doi.org/10.1016/j.jid.2018.10.039>.
- Borish, L. C., & Steinke, J. W. (2003). Cytokines and chemokines. *Journal of Allergy and Clinical Immunology*, 111(2), S460–S475. <https://doi.org/10.1067/mai.2003.108>.
- Boscari, F., & Avogaro, A. (2021). Current treatment options and challenges in patients with Type 1 diabetes: Pharmacological, technical advances and future perspectives. *Reviews in Endocrine and Metabolic Disorders*, 22(2), 217–240. <https://doi.org/10.1007/s11154-021-09635-3>.
- Bruning, O., Rodenburg, W., Radonic, T., Zwinderman, A. H., de Vries, A., Breit, T. M., & de Jong, M. (2011). RNA isolation for transcriptomics of human and mouse small skin biopsies. *BMC Research Notes*, 4(1), 438. <https://doi.org/10.1186/1756-0500-4-438>.

- Boulton, A. J. M., Kirsner, R. S., & Vileikyte, L. (2004). Neuropathic Diabetic Foot Ulcers. *New England Journal of Medicine*, 351(1), 48–55. <https://doi.org/10.1056/NEJMcp032966>.
- Casado-Díaz, A., Quesada-Gómez, J. M., & Dorado, G. (2020). Extracellular Vesicles Derived From Mesenchymal Stem Cells (MSC) in Regenerative Medicine: Applications in Skin Wound Healing. *Frontiers in Bioengineering and Biotechnology*, 8. <https://doi.org/10.3389/fbioe.2020.00146>.
- Charan, J., & Biswas, T. (2013). How to Calculate Sample Size for Different Study Designs in Medical Research? *Indian Journal of Psychological Medicine*, 35(2), 121–126. <https://doi.org/10.4103/0253-7176.116232>.
- Chen, Y.-C., Chang, Y.-W., Tan, K. P., Shen, Y.-S., Wang, Y.-H., & Chang, C.-H. (2018). Can mesenchymal stem cells and their conditioned medium assist inflammatory chondrocytes recovery? *PLOS ONE*, 13(11), e0205563. <https://doi.org/10.1371/journal.pone.0205563>.
- Cheng, Y., Shen, J., Ren, W., Hao, H., Xie, Z., Liu, J., Mu, Y., & Han, W. (2017). Mild hyperglycemia triggered islet function recovery in streptozotocin-induced insulin-deficient diabetic rats. *Journal of Diabetes Investigation*, 8(1), 44–55. <https://doi.org/10.1111/jdi.12540>.
- Dale, J.W. & M.V.Schantz. *From genes to genomes*. 2002. John Wiley & Sons, In.,Canada.
- Dorsett-Martin, W. A. (2004). Rat models of skin wound healing: A review. *Wound Repair and Regeneration*, 12(6), 591–599. <https://doi.org/10.1111/j.1067-1927.2004.12601.x>.
- Egan, A. M., & Dinneen, S. F. (2019). What is diabetes? *Medicine*, 47(1), 1–4. <https://doi.org/10.1016/j.mpmed.2018.10.002>.
- Eslami, M. H., Zayaruzny, M., & Fitzgerald, G. A. (2007). The adverse effects of race, insurance status, and low income on the rate of amputation in patients presenting with lower extremity ischemia. *Journal of Vascular Surgery*, 45(1), 55–59. <https://doi.org/10.1016/j.jvs.2006.09.044>.
- Ferreira, J. R., Teixeira, G. Q., Santos, S. G., Barbosa, M. A., Almeida-Porada, G., & Gonçalves, R. M. (2018). Mesenchymal Stromal Cell Secretome: Influencing Therapeutic Potential by Cellular Pre-conditioning. *Frontiers in Immunology*, 9. <https://doi.org/10.3389/fimmu.2018.02837>.
- Feru, J., Delobbe, E., Ramont, L., Brassart, B., Terryn, C., Dupont-Deshorgue, A., Garbar, C., Monboisse, J.-C., Maquart, F.-X., & Brassart-Pasco, S. (2016). Aging decreases collagen IV expression in vivo in the dermo-epidermal junction and in vitro in dermal fibroblasts: possible involvement of TGF-β1. *European Journal of Dermatology*, 26(4), 350–360. <https://doi.org/10.1684/ejd.2016.2782>.
- Firdaus, F., Rimbawan, R., Marliyati, S. A., & Roosita, K. (2016). Model Tikus Diabetes Yang Diinduksi Streptozotocin-Sukrosa Untuk Pendekatan Penelitian Diabetes Melitus Gestasional. *Media Kesehatan Masyarakat Indonesia*, 12(1 Se-), 29–34. <https://doi.org/10.30597/mkmi.v12i1.550>.
- Furman, B. L. (2021). Streptozotocin-Induced Diabetic Models in Mice and Rats. *Current Protocols*, 1(4). <https://doi.org/10.1002/cpz1.78>.
- Gao, F., Chiu, S. M., Motan, D. A. L., Zhang, Z., Chen, L., Ji, H.-L., Tse, H.-F., Fu, Q.-L., & Lian, Q. (2016). Mesenchymal stem cells and immunomodulation: current status and future prospects. *Cell Death & Disease*, 7(1), e2062–e2062. <https://doi.org/10.1038/cddis.2015.327>.

- González-González, A., García-Sánchez, D., Dotta, M., Rodríguez-Rey, J. C., & Pérez-Campo, F. M. (2020). Mesenchymal stem cells secretome: The cornerstone of cell-free regenerative medicine. *World Journal of Stem Cells*, 12(12), 1529–1552. <https://doi.org/10.4252/wjsc.v12.i12.1529>.
- Gonzalez, A. C. de O., Costa, T. F., Andrade, Z. de A., & Medrado, A. R. A. P. (2016). Wound healing - A literature review. *Anais Brasileiros de Dermatologia*, 91(5), 614–620. <https://doi.org/10.1590/abd1806-4841.20164741>.
- Grada, A., Mervis, J., & Falanga, V. (2018). Research Techniques Made Simple: Animal Models of Wound Healing. *Journal of Investigative Dermatology*, 138(10), 2095–2105.e1. <https://doi.org/10.1016/j.jid.2018.08.005>.
- Gwan, C., Mohammed, N., & Ma, X. (2021). Stem cell secretome, regeneration, and clinical translation: a narrative review. *Annals of Translational Medicine*, 9(1), 70–70. <https://doi.org/10.21037/atm-20-5030>.
- Gunardi. (2020). *Profil HbA1c, Kolesterol dan Trigliserida pada Pasien Diabetes Mellitus Tipe 2 Profile of HbA1c, Cholesterol and Triglyceride in Type 2 Diabetes Mellitus GUNARDI*. <https://ejournal.poltekkes-smg.ac.id/ojs/index.php/JLM/>.
- Gu, T., Xie, M., Barbazuk, W. B., & Lee, J.-H. (2021). Biological features between miRNAs and their targets are unveiled from deep learning models. *Scientific Reports*, 11(1), 23825. <https://doi.org/10.1038/s41598-021-03215-w>
- Harrell, C., Fellabaum, C., Jovicic, N., Djonov, V., Arsenijevic, N., & Volarevic, V. (2019). Molecular Mechanisms Responsible for Therapeutic Potential of Mesenchymal Stem Cell-Derived Secretome. *Cells*, 8(5), 467. <https://doi.org/10.3390/cells8050467>.
- Hight-Warburton, W., Felix, R., Burton, A., Maple, H., Chegkazi, M. S., Steiner, R. A., McGrath, J. A., & Parsons, M. (2021). $\alpha 4/\alpha 9$ Integrins Coordinate Epithelial Cell Migration Through Local Suppression of MAP Kinase Signaling Pathways. *Frontiers in Cell and Developmental Biology*, 9. <https://doi.org/10.3389/fcell.2021.750771>.
- Hoffstad, O., Mitra, N., Walsh, J., & Margolis, D. J. (2015). Diabetes, Lower-Extremity Amputation, and Death. *Diabetes Care*, 38(10), 1852–1857. <https://doi.org/10.2337/dc15-0536>.
- Hotchkiss, R. S., Moldawer, L. L., Opal, S. M., Reinhart, K., Turnbull, I. R., & Vincent, J.-L. (2016). Sepsis and septic shock. *Nature Reviews Disease Primers*, 2(1), 16045. <https://doi.org/10.1038/nrdp.2016.45>.
- Jameson J, Fauci AS, Kasper DL, Hauser SL, Longo DL, Loscalzo J. eds. Harrison's Principles of Internal Medicine, 20e. McGraw-Hill Education; 2018.. <https://accessmedicine.mhmedical.com/content.aspx?bookid=2129§ionid=159213747>.
- Kandhwal, M., Behl, T., Singh, S., Sharma, N., Arora, S., Bhatia, S., Al-Harrasi, A., Sachdeva, M., & Bungau, S. (2022). Role of matrix metalloproteinase in wound healing. *American Journal of Translational Research*, 14(7), 4391–4405.
- Karimabad, M. N., & Hassanshahi, G. (2015). Significance of CXCL12 in Type 2 Diabetes Mellitus and Its Associated Complications. *Inflammation*, 38(2), 710–717. <https://doi.org/10.1007/s10753-014-9981-3>.
- Kato, M., & Natarajan, R. (2014). Diabetic nephropathy—emerging epigenetic mechanisms. *Nature Reviews Nephrology*, 10(9), 517–530. <https://doi.org/10.1038/nrneph.2014.116>.

- Kim, D., Kim, J., Yoon, J. H., Ghim, J., Yea, K., Song, P., Park, S., Lee, A., Hong, C.-P., Jang, M. S., Kwon, Y., Park, S., Jang, M. H., Berggren, P.-O., Suh, P.-G., & Ryu, S. H. (2014). CXCL12 secreted from adipose tissue recruits macrophages and induces insulin resistance in mice. *Diabetologia*, 57(7), 1456–1465. <https://doi.org/10.1007/s00125-014-3237-5>.
- Komi, D. E. A., Khomtchouk, K., & Santa Maria, P. L. (2020). A Review of the Contribution of Mast Cells in Wound Healing: Involved Molecular and Cellular Mechanisms. *Clinical Reviews in Allergy & Immunology*, 58(3), 298–312. <https://doi.org/10.1007/s12016-019-08729-w>.
- Korobova, Z. R., Arsentieva, N. A., & Totolian, A. A. (2023). Macrophage-Derived Chemokine MDC/CCL22: An Ambiguous Finding in COVID-19. *International Journal of Molecular Sciences*, 24(17), 13083. <https://doi.org/10.3390/ijms241713083>.
- Kusuma, Y. T., & Subchan, P. (2023). Effect of Gel Secretome Hypoxia Mesenchymal Stem Cell on Expression of TGF- β and IL-6 (In Vivo Experimental Study in Male Rats of Wistar Strains Model Hyperglycemic Wounds). *INTERNATIONAL JOURNAL OF MULTIDISCIPLINARY RESEARCH AND ANALYSIS*, 06(12). <https://doi.org/10.47191/ijmra/v6-i12-23>.
- Kuntardjo, N., Dharmana, E., Chodidjah, C., Nasihun, T. R., & Putra, A. (2019). TNF- α -Activated MSC-CM Topical Gel Effective in Increasing PDGF Level, Fibroblast Density, and Wound Healing Process Compared to Subcutaneous Injection Combination. *Majalah Kedokteran Bandung*, 51(1), 1–6. <https://doi.org/10.15395/mkb.v51n1.1479>.
- Landén, N. X., Li, D., & Ståhle, M. (2016). Transition from inflammation to proliferation: a critical step during wound healing. *Cellular and Molecular Life Sciences*, 73(20), 3861–3885. <https://doi.org/10.1007/s00018-016-2268-0>.
- Legaki, E., Roubelakis, M. G., Theodoropoulos, G. E., Lazaris, A., Kollia, A., Karamanolis, G., Marinos, E., & Gazouli, M. (2016). Therapeutic Potential of Secreted Molecules Derived from Human Amniotic Fluid Mesenchymal Stem/Stroma Cells in a Mice Model of Colitis *Stem Cell Reviews and Reports*, 12(5), 604–612. <https://doi.org/10.1007/s12015-016-9677-1>.
- Li, X., Zhang, D., Yu, Y., Wang, L., & Zhao, M. (2024). Umbilical cord-derived mesenchymal stem cell secretome promotes skin regeneration and rejuvenation: From mechanism to therapeutics. *Cell Proliferation*, 57(4). <https://doi.org/10.1111/cpr.13586>.
- Lingappan, K. (2018). NF- κ B in oxidative stress. *Current Opinion in Toxicology*, 7, 81–86. <https://doi.org/10.1016/j.cotox.2017.11.002>.
- Liu, Q., Rojas-Canales, D. M., Divito, S. J., Shufesky, W. J., Stolz, D. B., Erdos, G., Sullivan, M. L. G., Gibson, G. A., Watkins, S. C., Larregina, A. T., & Morelli, A. E. (2016). Donor dendritic cell-derived exosomes promote allograft-targeting immune response. *Journal of Clinical Investigation*, 126(8), 2805–2820. <https://doi.org/10.1172/JCI84577>.
- Malhotra, K. (1998). Interaction and effect of annealing temperature on primers used in differential display RT-PCR. *Nucleic Acids Research*, 26(3), 854–856. <https://doi.org/10.1093/nar/26.3.854>.
- Mantovani, A., Bonecchi, R., & Locati, M. (2006). Tuning inflammation and immunity by chemokine sequestration: decoys and more. *Nature Reviews Immunology*, 6(12), 907–918. <https://doi.org/10.1038/nri1964>.

- McDanel, T. G. (2009). MicroRNA: Mechanism of gene regulation and application to livestock1. *Journal of Animal Science*, 87(suppl_14), E21–E28. <https://doi.org/10.2527/jas.2008-1303>.
- Meloni, M., Izzo, V., Giurato, L., Lázaro-Martínez, J. L., & Uccioli, L. (2020). Prevalence, Clinical Aspects and Outcomes in a Large Cohort of Persons with Diabetic Foot Disease: Comparison between Neuropathic and Ischemic Ulcers. *Journal of Clinical Medicine*, 9(6), 1780. <https://doi.org/10.3390/jcm9061780>.
- Mengstie, M. A., Chekol Abebe, E., Behaile Teklemariam, A., Tilahun Mulu, A., Agidew, M. M., Teshome Azezew, M., Zewde, E. A., & Agegnehu Teshome, A. (2022). Endogenous advanced glycation end products in the pathogenesis of chronic diabetic complications. *Frontiers in Molecular Biosciences*, 9. <https://doi.org/10.3389/fmolb.2022.1002710>.
- Meszaros, A. J., Reichner, J. S., & Albina, J. E. (2000). Macrophage-Induced Neutrophil Apoptosis. *The Journal of Immunology*, 165(1), 435–441. <https://doi.org/10.4049/jimmunol.165.1.435>.
- Milita, F., Handayani, S., Setiaji, B., Studi Magister Kesehatan Masyarakat, P., & Muhammadiyah HAMKA Jl Warung Jati Barat, U. (2021). *Kejadian Diabetes Mellitus Tipe II pada Lanjut Usia di Indonesia (Analisis Riskesdas 2018)*. <https://jurnal.umj.ac.id/index.php/JKK>.
- Moenadjat, Y. 2023. Penyembuhan Luka : Aspek Seluler dan Biomolekuler Bagian Ketiga. Depok : Fakultas kedokteran Universitas Indonesia.
- Monaghan, M. G., Borah, R., Thomsen, C., & Browne, S. (2023). Thou shall not heal: Overcoming the non-healing behaviour of diabetic foot ulcers by engineering the inflammatory microenvironment. *Advanced Drug Delivery Reviews*, 203, 115120. <https://doi.org/10.1016/j.addr.2023.115120>.
- Musiał-Wysocka, A., Kot, M., & Majka, M. (2019). The Pros and Cons of Mesenchymal Stem Cell-Based Therapies. *Cell Transplantation*, 28(7), 801–812. <https://doi.org/10.1177/0963689719837897>.
- Nazarie, S.-R., Gharbia, S., Hermenean, A., Dinescu, S., & Costache, M. (2021). Regenerative Potential of Mesenchymal Stem Cells' (MSCs) Secretome for Liver Fibrosis Therapies. *International Journal of Molecular Sciences*, 22(24), 13292. <https://doi.org/10.3390/ijms222413292>.
- Nowak, N. C., Menichella, D. M., Miller, R., & Paller, A. S. (2021). Cutaneous innervation in impaired diabetic wound healing. *Translational Research*, 236, 87–108. <https://doi.org/10.1016/j.trsl.2021.05.003>.
- Nugrahaningsih, D. A. A., Purwadi, P., Sarifin, I., Bachtiar, I., Sunarto, S., Ubaidillah, U., Larasati, I., Satriyo, P. B., Setiasari, D. W., Hasanah, M. N., At-thobari, J., & Mubarika, S. (2023). In vivo immunomodulatory effect and safety of MSC-derived secretome. *F1000Research*, 12, 421. <https://doi.org/10.12688/f1000research.131487.1>.
- Oguntibeju, O. O. (2019). Medicinal plants and their effects on diabetic wound healing. *Veterinary World*, 12(5), 653–663. <https://doi.org/10.14202/vetworld.2019.653-663>.
- Okonkwo, U., & DiPietro, L. (2017). Diabetes and Wound Angiogenesis. *International Journal of Molecular Sciences*, 18(7), 1419. <https://doi.org/10.3390/ijms18071419>.
- Ormazabal, V., Nova-Lampeti, E., Rojas, D., Zúñiga, F. A., Escudero, C., Lagos, P., Moreno, A., Pavez, Y., Reyes, C., Yáñez, M., Vidal, M., Cabrera-Vives, G., Oporto, K., & Aguayo, C. (2022). Secretome from Human Mesenchymal Stem Cells-

- Derived Endothelial Cells Promotes Wound Healing in a Type-2 Diabetes Mouse Model. *International Journal of Molecular Sciences*, 23(2), 941. <https://doi.org/10.3390/ijms23020941>.
- Piipponen, M., Li, D., & Landén, N. X. (2020). The Immune Functions of Keratinocytes in Skin Wound Healing. *International Journal of Molecular Sciences*, 21(22), 8790. <https://doi.org/10.3390/ijms21228790>.
- Qing, C. (2017). The molecular biology in wound healing & non-healing wound. *Chinese Journal of Traumatology*, 20(4), 189–193. <https://doi.org/10.1016/j.cjtee.2017.06.001>.
- Qu, H., Miao, T., Wang, Y., Tan, L., Huang, B., Zhang, L., Liu, X., Long, M., Zhang, R., Liao, X., Gong, X., Wang, J., Xiong, X., Liu, J., Li, X., Yu, J., Yang, G., Zhu, Z., Zheng, H., & Zheng, Y. (2021). Dedicator of Cytokinesis 5 Regulates Keratinocyte Function and Promotes Diabetic Wound Healing. *Diabetes*, 70(5), 1170–1184. <https://doi.org/10.2337/db20-1008>.
- Quazi, A., Patwekar, M., Patwekar, F., Mezni, A., Ahmad, I., & Islam, F. (2022). Evaluation of Wound Healing Activity (Excision Wound Model) of Ointment Prepared from Infusion Extract of Polyherbal Tea Bag Formulation in Diabetes-Induced Rats. *Evidence-Based Complementary and Alternative Medicine*, 2022, 1–7. <https://doi.org/10.1155/2022/1372199>.
- Ramasamy, R., Vannucci, S. J., Yan, S. S. du, Herold, K., Yan, S. F., & Schmidt, A. M. (2005). Advanced glycation end products and RAGE: a common thread in aging, diabetes, neurodegeneration, and inflammation. *Glycobiology*, 15(7), 16R–28R. <https://doi.org/10.1093/glycob/cwi053>.
- Reinke, J. M., & Sorg, H. (2012). Wound Repair and Regeneration. *European Surgical Research*, 49(1), 35–43. <https://doi.org/10.1159/000339613>.
- Remoué, N., Bonod, C., Fromy, B., & Sigaudou-Roussel, D. (2020). Animal models in chronic wound healing research. In *Innovations and Emerging Technologies in Wound Care* (pp. 197–224). Elsevier. <https://doi.org/10.1016/B978-0-12-815028-3.00012-2>.
- Rhee, S. Y., & Kim, Y. S. (2018). The Role of Advanced Glycation End Products in Diabetic Vascular Complications. *Diabetes & Metabolism Journal*, 42(3), 188. <https://doi.org/10.4093/dmj.2017.0105>.
- Rianti, N., Putra, A., & Subchan, P. (2023). The Effect of Secretome Hypoxia Mesenchymal Stem Cells on PDGF and IL-1b Gene Expression (Experimental Study on Wistar Rats Hyperglycemic Wound Models). *International Journal Of Multidisciplinary Research And Analysis*, 06(12). <https://doi.org/10.47191/ijmra/v6-i12-24>.
- Rousselle, P., Braye, F., & Dayan, G. (2019). Re-epithelialization of adult skin wounds: Cellular mechanisms and therapeutic strategies. *Advanced Drug Delivery Reviews*, 146, 344–365. <https://doi.org/10.1016/j.addr.2018.06.019>.
- Schultz, G. S., & Wysocki, A. (2009). Interactions between extracellular matrix and growth factors in wound healing. *Wound Repair and Regeneration*, 17(2), 153–162. <https://doi.org/10.1111/j.1524-475X.2009.00466.x>.
- Shah, P., Inturi, R., Anne, D., Jadhav, D., Viswambharan, V., Khadilkar, R., Dnyanmote, A., & Shahi, S. (2022). Wagner’s Classification as a Tool for Treating Diabetic Foot Ulcers: Our Observations at a Suburban Teaching Hospital. *Cureus*. <https://doi.org/10.7759/cureus.21501>.

- Shi, Y., Zhang, L., Teng, J., & Miao, W. (2018). HMGB1 mediates microglia activation via the TLR4/NF- κ B pathway in coriaria lactone induced epilepsy. *Molecular Medicine Reports*. <https://doi.org/10.3892/mmr.2018.8485>.
- Stunova, A., & Vistejnova, L. (2018). Dermal fibroblasts—A heterogeneous population with regulatory function in wound healing. *Cytokine & Growth Factor Reviews*, 39, 137–150. <https://doi.org/10.1016/j.cytogfr.2018.01.003>.
- Suzdaltseva, Yu. G., Burunova, V. v., Vakhrushev, I. v., Cheglakov, I. B., & Yarygin, K. N. (2008). In vitro comparison of immunological properties of cultured human mesenchymal cells from various sources. *Bulletin of Experimental Biology and Medicine*, 145(2), 228–231. <https://doi.org/10.1007/s10517-008-0057-y>.
- Swoboda, L., & Held, J. (2022). Impaired wound healing in diabetes. *Journal of Wound Care*, 31(10), 882–885. <https://doi.org/10.12968/jowc.2022.31.10.882>.
- Szkudelski, T. (2012). Streptozotocin–nicotinamide-induced diabetes in the rat. Characteristics of the experimental model. *Experimental Biology and Medicine*, 237(5), 481–490. <https://doi.org/10.1258/ebm.2012.011372>.
- Tellechea, A. (2012). Inflammatory and Angiogenic Abnormalities in Diabetic Wound Healing: Role of Neuropeptides and Therapeutic Perspectives. *The Open Circulation & Vascular Journal*, 3(1), 43–55. <https://doi.org/10.2174/1874382601003010043>.
- Terashi, H., Izumi, K., Deveci, M., Rhodes, L. M., & Marcelo, C. L. (2005). High glucose inhibits human epidermal keratinocyte proliferation for cellular studies on diabetes mellitus. *International Wound Journal*, 2(4), 298–304. <https://doi.org/10.1111/j.1742-4801.2005.00148.x>.
- Trounson, A., Thakar, R. G., Lomax, G., & Gibbons, D. (2011). Clinical trials for stem cell therapies. *BMC Medicine*, 9(1), 52. <https://doi.org/10.1186/1741-7015-9-52>.
- Turabelidze, A., Guo, S., & DiPietro, L. A. (2010). Importance of housekeeping gene selection for accurate reverse transcription-quantitative polymerase chain reaction in a wound healing model. *Wound Repair and Regeneration*, 18(5), 460–466. <https://doi.org/10.1111/j.1524-475X.2010.00611>.
- Valentovic, M. A., Alejandro, N., Betts Carpenter, A., Brown, P. I., & Ramos, K. (2006). Streptozotocin (STZ) diabetes enhances benzo(α)pyrene induced renal injury in Sprague Dawley rats. *Toxicology Letters*, 164(3), 214–220. <https://doi.org/10.1016/j.toxlet.2005.12.009>.
- Venugopal, C., Shamir, C., Senthilkumar, S., Babu, J. V., Sonu, P. K., Nishtha, K. J., Rai, K. S., Shobha, K., & Dhanushkodi, A. (2018). Dosage and Passage Dependent Neuroprotective Effects of Exosomes Derived from Rat Bone Marrow Mesenchymal Stem Cells: An In Vitro Analysis. *Current Gene Therapy*, 18. <https://doi.org/10.2174/1566523218666180125091952>.
- Wilkinson, H. N., & Hardman, M. J. (2020). Wound healing: cellular mechanisms and pathological outcomes. *Open Biology*, 10(9). <https://doi.org/10.1098/rsob.200223>.
- Zhang, Q., Lenardo, M. J., & Baltimore, D. (2017). 30 Years of NF- κ B: A Blossoming of Relevance to Human Pathobiology. *Cell*, 168(1–2), 37–57. <https://doi.org/10.1016/j.cell.2016.12.012>.
- Zhao, H., Tao, Z., Wang, R., Liu, P., Yan, F., Li, J., Zhang, C., Ji, X., & Luo, Y. (2014). MicroRNA-23a-3p attenuates oxidative stress injury in a mouse model of focal cerebral ischemia-reperfusion. *Brain Research*, 1592, 65–72. <https://doi.org/10.1016/j.brainres.2014.09.055>.