

DAFTAR PUSTAKA

- Alhajj, M. dan Goyal, A., (2022) *Physiology, Granulation Tissue*. Florida: StatPearls. <https://www.ncbi.nlm.nih.gov/books/NBK554402/#:~:text=Granulation%20tissue%20is%20a%20type,with%20new%20tissue%20and%20vasculature>. – Diakses 30 Januari 2023.
- American Academy of Cosmetic Dentistry., (2015) *Cosmetic Dentistry State of the Industry: Survey 2015*.
<https://aacd.com/proxy/files/Publications%20and%20Resources/AACD%20State%20of%20the%20Cosmetic%20Dentistry%20Industry%202015.pdf> – Diakses 10 Februari 2023.
- Annisa, A. dan Djais, A. I., (2021) Manajemen Black Triangle dalam Kedokteran Gigi Estetik: Literatur Review. *B-Dent: Jurnal Kedokteran Gigi Universitas Baiturrahmah*. 8(2): 193-201.
- Azizah. dan Mardiana., A., (2021) Stres dan Penyembuhan Luka Periodontal. *B-Dent: Jurnal Kedokteran Gigi Universitas Baiturrahmah*. 8(2): 202–209.
- Bathla, S., (2017) *Textbook of Periodontics. 1st ed.* New Delhi: Jaypee Brothers Medical Publishers. pp 4, 575, 688.
- Budi, H. S., Soesilowati, P., dan Imanina, Z., (2017) Gambaran Histopatologi Penyembuhan Luka Pencabutan Gigi pada Makrofag dan Neovaskular dengan Pemberian Getah Batang Pisang Ambon. *Majalah Kedokteran Gigi Indonesia (MKGI)*. 3(3): 121-127.
- Cahaya, C. dan Masulili, S. L. C., (2015) Perkembangan Terkini Membran *Guided Tissue Regeneration/Guided Bone Regeneration* sebagai Terapi Regenerasi Jaringan Periodontal. *Majalah Kedokteran Gigi Indonesia (MKGI)*. 1(1): 1–11.
- Castro AB, Cortellini S, Temmerman A, Li X, Pinto N, Teughels W, dan Quirynen M., (2019) Characterization of the Leukocyte- and Platelet-Rich Fibrin Block: Release of Growth Factors, Cellular Content, and Structure. *Int J Oral Maxillofac Implants*. 34(4): 855-864.
- Chang, J., Blanchard, S. B., Windsor, L. J., Gregory, R. L., dan Hamada, Y., (2020) Levels of Growth Factors from Platelet-Rich Fibrin from Chronic Periodontitis versus Periodontally Healthy Subjects: a Pilot Study. *Clin Oral Investig*. 24(2): 823-832.
- Chen, Y., Zhong, H., Zhao, Y., Luo, X., dan Gao, W., (2020) Role of Platelet Biomarkers in Inflammatory Response. *Biomark Res*. 8(28): 1-7.
- Cho, Y.-D., Kim, K.-H., Lee, Y.-M., Ku, Y., dan Seol, Y.-J., (2021) Periodontal Wound Healing and Tissue Regeneration: A Narrative Review. *Pharmaceuticals (Basel)*. 14(5): 1–17.
- Creager, M. D., Choi, J., Hucheson, J. D., dan Aikawa, E., (2017) *Comprehensive Biomaterials II, 2nd ed.* Boston. pp 398, 400.

- Crisci, A., Manfredi, S., dan Crisci, M., (2019) Fibrin Rich in Leukocyte-Platelets (L-PRF) and Injectable Fibrin Rich Platelets (I-PRF, Two Opportunity in Regenerative Surgery: Review of The Sciences and Literature). *IOSR J Dent Med Sci*. 18(4): 66-79.
- Cunliffe, J. dan Pretty, I., (2009) Patients' Ranking of Interdental "Black Triangles" Against Other Common Aesthetic Problems. *Eur J Prosthodont Restor Dent*. 17(4): 177–181.
- Dashore, S., Chouhan, K., Nanda, S., dan Sharma, A., (2021) Platelet-Rich Fibrin, Preparation and Use in Dermatology. *Indian Dermatol Online J*. 12(7): S55–S65.
- Ficho, A. C., de Souza Faloni, A. P., Pennisi, P. R. C., Borges, L. G. F., de Macedo Bernadino, Í., Paranhos, L. R., Queiroz, T. P., dan Santos, P. L., (2021) Is Interdental Papilla Filling Using Hyaluronic Acid a Stable Approach to Treat Black Triangles? A systematic review. *J Esthet Restor Dent*. 33(3): 458–465.
- Fidyawati, D. dan Kemal, Y., (2015) Regenerasi Papila Interdental pada Penatalaksanaan Kasus Black Triangle. *Makassar Dent J*. 4(4): 127–134.
- Federer, W.T., (1967) Experimental design, theory, and application. Oxford and IBH Publ. Co. New Delhi: Ramsey SC, Galeano.
- Fujioka-Kobayashi, M., Katagiri, H., Kono, M., Schaller, B., Zhang, Y., Sculean, A., dan Miron, R. J., (2020) Improved Growth Factor Delivery and Cellular Activity Using Concentrated Platelet-Rich Fibrin (C-PRF) when Compared with Traditional Injectable (I-PRF) Protocols. *Clin Oral Investig*. 24(12): 4373–4383.
- Fujioka-Kobayashi, M., Miron, R. J., Hernandez, M., Kandalam, U., Zhang, Y., dan Choukroun, J., (2017) Optimized Platelet-Rich Fibrin with the Low-Speed Concept: Growth Factor Release, Biocompatibility, and Cellular Response. *J Periodontol*. 88(1): 112–121.
- Goel, A., Windsor, L. J., Gregory, R. L., Blanchard, S. B., dan Hamada, Y., (2021) Effects of Platelet-Rich Fibrin on Human Gingival and Periodontal Ligament Fibroblast Proliferation from Chronic Periodontitis Versus Periodontally Healthy Subjects. *Clin Exp Dent Res*. 7(4): 436–442.
- Guvva, S., Patil, M., dan Mehta, D., (2017) Rat as Laboratory Animal Model in Periodontology. *Int J Oral Health Sci*. 7(2): 68–75.
- Hedrich, H. J., (2020) Taxonomy and stocks and strains. dalam M. A. Suckow, R. P. Wilson, F. C. Hankenson, P. L. Foley (Ed.). *The Laboratory Rat* (3rd ed., hlm. 47–75). Elsevier.
- Hickman, D. L., Johnson, J., Vemulapalli, T. H., Crisler, J. R., dan Shepherd, R., (2017) *Principles of Animal Research for Graduate and Undergraduate Students*. Amsterdam: Elsevier. pp 131-132.

- Honnegowda, T. M., Kumar, P., Udupa, E. P., Kumar, S., Kumar, U., dan Rao, P., (2015) Role of Angiogenesis and Angiogenic Factors in Acute and Chronic Wound Healing. *Plast Aesthet Res.* 2(5): 243–249.
- Jacob, S. P. dan Nath, S., (2013) Rat Gingival Model for Testing Drugs Influencing Inflammation. *International e-Journal of Science, Medicine & Education (IeJSME)*. 7(2): 8–16.
- Jeong-Hyon, K., Bon-Hyuk, G., Sang-Soo, N., dan Yeon-Cheol, P., (2020) A Review of Rat Models of Periodontitis Treated with Natural Extracts. *J Tradit Chin Med Sci.* 7(2): 95–103.
- Karimi, K. dan Rockwell, H., (2019) The Benefits of Platelet-Rich Fibrin. *Facial Plast Surg Clin N Am.* 27(3): 331–340.
- Kim, S.-B., Cho, J., Jue, S.-S., Park, J. H., dan Kim, J.-Y., (2020) Effect of Hyaluronic Acid Filler Injection on the Interdental Papilla in a Mouse Model of Open Gingival Embrasure. *Int J Environ Res Public Health.* 17(14): 1–13.
- Krzyszczczyk, P., Schloss, R., Palmer, A., dan Berthiaume, F., (2018) The Role of Macrophages in Acute and Chronic Wound Healing and Interventions to Promote Pro-Wound Healing Phenotypes. *Front Physiol.* 9(419): 1–22.
- Lahamendu, B., Bodhi, W., dan Siampa, J. P., (2019) Uji Efek Analgetik Ekstrak Etanol Rimpang Jahe Putih (*Zingiber officinale Rosc.var. Amarum*) pada Tikus Putih Jantan Galur Wistar (*Rattus norvegicus*). *Pharmacon.* 8(4): 928-935.
- McKenzie, S. B., Landis-Piwowar, K., dan Williams, J. L., (2020) *Clinical Laboratory Hematology. 4th ed.* Hoboken: Pearson. pp 130-131.
- Merry, R., Belfield, L., McArdle, P., McLennan, A., Crean, S., and Foey, A., (2012) Oral Health and Pathology: A Macrophage Account. *Brit J Oral Maxillofac Surg.* 50(1): 2–7.
- Mescher, A. L., (2021) *Junqueira's Basic Histology: Text and Atlas. 16th ed.* New York: McGraw Hill. pp 97-99, 106, 250.
- Miron, R. J., Chai, J., Zhang, P., Li, Y., Wang, Y., Mourão, C. F. de A. B., Sculean, A., Fujioka Kobayashi, dan M., Zhang, Y., (2020) A Novel Method for Harvesting Concentrated Platelet-Rich Fibrin (C-PRF) with A 10-Fold Increase in Platelet and Leukocyte Yields. *Clin Oral Investig.* 24(8): 2819–2828.
- Miron, R. J., Zucchelli, G., Pikos, M. A., Salama, M., Lee, S., Guillemette, V., Fujioka-Kobayashi, M., Bishara, M., Zhang, Y., Wang, H.-L., Chandad, F., Nacopoulos, C., Simonpieri, A., Aalam, A. A., Felice, P., Sammartino, G., Ghanaati, S., Hernandez, M. A., dan Choukroun, J., (2017) Use of Platelet-Rich Fibrin in Regenerative Dentistry: A Systematic Review. *Clin Oral Investig.* 21(6): 1913–1927.

- Modlinska, K. dan Pisula, W., (2020) The Natural History of Model Organisms the Norway Rat, from An Obnoxious Pest to A Laboratory Pet. *eLife*. 9: 1–13.
- Morand, D. N., Davideau, J.-L., Clauss, F., Jessel, N., Tenenbaum, H., dan Huck, O., (2017) Cytokines During Periodontal Wound Healing: Potential Application for New Therapeutic Approach. *Oral Dis*. 23(3): 300-311.
- Nasirzade, J., Kargarpour, Z., Hasannia, S., Strauss, F. J., dan Gruber, R., (2020) Platelet-Rich Fibrin Elicits an Anti-Inflammatory Response in Macrophages In Vitro. *J Periodontol*. 91(2): 244–252.
- Newman, M. G., Elangovan, S., Dragan, I. F., dan Karan, A. K., (2021) *Newman and Carranza's: Essentials of Clinical Periodontology an Integrated Study Companion*. 1st ed. Amsterdam: Elsevier. pp 14.
- Newman, M. G., Takei, H. H., Klokkevold, P. R., dan Carranza, F. A., (2019) *Newman and Carranza's: Clinical Periodontology*. 13th ed. Philadelphia: Elsevier. pp 21, 27-29.
- Otto, G. M., Franklin, C. L., dan Clifford, C. B., (2015) Chapter 4 - Biology and Diseases of Rats. dalam J. G. Fox, L. C. Anderson, G. Otto, K. R. Pritchett-Corning, M. T. Whary (Ed.). *Laboratory Animal Medicine: Third Edition* (3rd ed., hlm. 152–153). Elsevier Inc.
- Pavlovic, V., Ciric, M., Jovanovic, V., Trandafilovic, M., dan Stojanovic, P., (2021) Platelet-rich fibrin: Basics of Biological Actions and Protocol Modifications. *Open Med (Wars)*. 16(1): 446–454.
- Pitale, U., Pal, P. C., Thakare, G., Verma, M., Dhakad, S., dan Pandey, R., (2021) Minimally Invasive Therapy for Reconstruction of Lost Interdental Papilla by Using Injectable Hyaluronic Acid Filler. *J Indian Soc Periodontol*. 25(1): 22–28.
- Puri, K., Khatri, M., Bansal, M., Kumar, A., Rehan, M., dan Gupta, A., (2022) A novel injectable platelet-rich fibrin reinforced papilla reconstruction technique. *J Indian Soc Periodontol*. 26(4): 412-417.
- Rashid, Z. J., Gul, S. S., Shaikh, M. S., Abdulkareem, A. A., dan Zafar, M. S., (2022) Incidence of Gingival Black Triangles following Treatment with Fixed Orthodontic Appliance: A Systematic Review. *Healthcare (Basel)*. 10(8): 1–12.
- Reddy, S., (2011) *Essentials of Clinical Periodontology and Periodontics*. 3rd ed. Bengaluru: Jaypee Brothers Medical Publishers. pp 3, 4, 9, 10.
- Rodrigues, M., Kosaric, N., Bonham, C. A., dan Gurtner, G. C., (2019) Wound Healing: A Cellular Perspective. *Physiol Rev*. 99(1): 665–706.
- Ross, E. A., Devitt, A., dan Johnson, J. R., (2021) Macrophages: The Good, the Bad, and the Gluttony. *Front Immunol*. 12(708186): 1–22.

- Schiavone, G., Paradisi, A., Ricci, F., dan Abeni, D., (2018) Injectable Platelet-, Leukocyte-, and Fibrin-Rich Plasma (iL-PRF) in The Management of Androgenetic Alopecia. *Dermatol Surg.* 44(9): 1183–1190.
- Shah, R., M G, T., Thomas, R., dan Mehta, D. S., (2017) An Update on the Protocols and Biologic Actions of Platelet Rich Fibrin in Dentistry. *Eur J Prosthodont Restor Dent.* 25(2): 64–72.
- Sharma, A. A. dan Park, J. H., (2010) Esthetic Considerations in Interdental Papilla: Remediation and regeneration. *J Esthet Restor Dent.* 22(1): 18–28.
- Singh, D., Jhingran, R., Bains, V. K., Madan, R., dan Srivastava, R., (2019) Efficacy of Platelet-Rich Fibrin in Interdental Papilla Reconstruction as Compared to Connective Tissue Using Microsurgical Approach. *Contemp Clin Dent.* 10(4): 643–651.
- Singh, V. P., Upoor, A. S., Nayak, D. G., dan Shah, D., (2013) Black Triangle Dilemma and Its Management in Esthetic Dentistry. *Dent Res J.* 10(3): 296–301.
- Thiruvoth, F. M., Mohapatra, D. P., Sivakumar, D. K., Chittoria, R. K., dan Nandhagopal, V., (2015) Current Concepts in the Physiology of Adult Wound Healing. *Plast Aesthet Res.* 2(5), 250–256.
- Toma, A. I., Fuller, J. M., Willett, N. J., and Goudy, S. L., (2021) Oral Wound Healing Models and Emerging Regenerative Therapies. *Transl Res.* 236: 17–34.
- Velnar, T., Bailey, T., dan Smrkolj, V., (2009) The Wound Healing Process: an Overview of the Cellular and Molecular Mechanism. *J Int Med Res.* 37: 1528 –1542.
- Warmink, K., Rios, J. L., Valkengoed, D. R. V., Korthagen, N. M., dan Weinans, H., (2022) Sprague Dawley Rats Show More Severe Bone Loss, Osteophytosis and Inflammation Compared to Wistar Han Rats in a High-Fat, High-Sucrose Diet Model of Joint Damage. *Int J Mol Sci.* 23(7): 1-10.
- Zhang, F., Wang, H., Wang, X., Jiang, G., Liu, H., Zhang, G., Wang, H., Fang, R., Bu, X., Cai, S., dan Du, J., (2016) TGF- β induces M2-like macrophage polarization via SNAIL-mediated suppression of a pro-inflammatory phenotype. *Oncotarget.* 7(32): 294-306.
- Zhang, J., Yin, C., Zhao, Q., Zhao, Z., Wang, J., Miron, R. J., dan Zhang, Y., (2020) Anti-inflammation Effects of Injectable Platelet-Rich Fibrin via Macrophages and Dendritic Cells. *J Biomed Mater Res.* 108(1): 61-68.
- Zumstein, M.A., Berger, S., Schober, M., Boileau, P., Nyffeler, R.W., Horn, M., dan Dahinden, C.A., (2012) Leukocyte- and Platelet Rich Fibrin (L-PRF) for Long-Term Delivery of Growth Factor in Rotator Cuff Repair: Review, Preliminary Results and Future Directions. *Curr Pharm Biotechnol.* 13(7): 1196-1206.