

DAFTAR PUSTAKA

- Ai, J.-Y., Liu, C.-F., Zhang, W., & Rao, G.-W. (2024). Current status of drugs targeting PDGF/PDGFR. *Drug Discovery Today*, 103989. <https://doi.org/10.1016/j.drudis.2024.103989>
- Aljefri, A. M., Brien, C. O., Tan, T. J., Sheikh, A. M., Ouellette, H., & Bauones, S. (2023). Clinical Applications of PRP: Musculoskeletal Applications, Current Practices and Update. *CardioVascular and Interventional Radiology*, 46(11), 1504–1516. <https://doi.org/10.1007/s00270-023-03567-y>
- Alkhayyal, Y., Almutairi, K., Alsargani, A., Albarrak, M., Almegrin, R., Altayash, S., Almukaynizi, H., Alessa, A., & Alkadi, D. (n.d.). *Platelet structure and function* .
- Ambaw, A., Zheng, L., Tambe, M. A., Strathearn, K. E., Acosta, G., Hubers, S. A., Liu, F., Herr, S. A., Tang, J., Truong, A., Walls, E., Pond, A., Rochet, J. C., & Shi, R. (2018). Acrolein-mediated neuronal cell death and alpha-synuclein aggregation: Implications for Parkinson's disease. *Molecular and Cellular Neuroscience*, 88(January), 70–82. <https://doi.org/10.1016/j.mcn.2018.01.006>
- An, I., Harman, M., & Ibiloglu, I. (2017). Topical Ciclopirox Olamine 1%: Revisiting a Unique Antifungal. *Indian Dermatology Online Journal*, 10(4), 481–485. <https://doi.org/10.4103/idoj.IDOJ>
- Andani, K. R., & Ernawaty. (2022). Literature Review: Cost Calculation of Blood Services in Some Countries (Based on HDI Level). *Unnes Journal of Public Health*, 11(1), 33–45. <https://doi.org/10.15294/ujph.v11i1.40872>
- Andia, I., & Maffulli, N. (2019). Blood-derived products for tissue repair/regeneration. *International Journal of Molecular Sciences*, 20(18), 3–5. <https://doi.org/10.3390/ijms20184581>
- Andrade, S. S., De Sousa Faria, A. V., De Paulo Queluz, D., & Ferreira-Halder, C. V. (2020). Platelets as a “natural factory” for growth factor production that sustains normal (and pathological) cell biology. *Biological Chemistry*, 401(4), 471–476. <https://doi.org/10.1515/hsz-2019-0342>
- Andrae, J., Gallini, R., & Betsholtz, C. (2008). Role of platelet-derived growth factors in physiology and medicine. *Genes and Development*, 22(10), 1276–1312. <https://doi.org/10.1101/gad.1653708>
- Avishai, E., Yeghiazaryan, K., & Golubnitschaja, O. (2017). Impaired wound healing: Facts and hypotheses for multi-professional considerations in predictive, preventive and personalised medicine. *EPMA Journal*, 8(1), 23–33. <https://doi.org/10.1007/s13167-017-0081-y>
- Bakadia, B. M., Qaed Ahmed, A. A., Lamboni, L., Shi, Z., Mutu Mukole, B., Zheng, R., Pierre Mbang, M., Zhang, B., Gauthier, M., & Yang, G. (2023). Engineering homologous platelet-rich plasma, platelet-rich plasma-derived

exosomes, and mesenchymal stem cell-derived exosomes-based dual-crosslinked hydrogels as bioactive diabetic wound dressings. *Bioactive Materials*, 28, 74–94. <https://doi.org/10.1016/j.bioactmat.2023.05.002>

- Balatif, R. (2020). Cigarettes and Its Effects on Health. *SCRIPTA SCORE Scientific Medical Journal*, 2(1), 44–52. <https://doi.org/10.32734/scripta.v2i1.1246>
- Bansal, H., Leon, J., Pont, J. L., Wilson, D. A., Bansal, A., Agarwal, D., & Preoteasa, I. (2021). Platelet-rich plasma (PRP) in osteoarthritis (OA) knee: Correct dose critical for long term clinical efficacy. *Scientific Reports*, 11(1), 1–10. <https://doi.org/10.1038/s41598-021-83025-2>
- Berg, C. J., Parelkar, P. P., Lessard, L., Escoffery, C., Kegler, M. C., Sterling, K. L., & Ahluwalia, J. S. (2010). Defining “smoker”: college student attitudes and related smoking characteristics. *Nicotine & Tobacco Research : Official Journal of the Society for Research on Nicotine and Tobacco*, 12(9), 963–969. <https://doi.org/10.1093/ntr/ntq123>
- Borkham-Kamphorst, E., & Weiskirchen, R. (2016). The PDGF system and its antagonists in liver fibrosis. *Cytokine and Growth Factor Reviews*, 28, 53–61. <https://doi.org/10.1016/j.cytogfr.2015.10.002>
- Bowen-Pope, D., Malpass, T., Foster, D., & Ross, R. (1984). Platelet-derived growth factor in vivo: levels, activity, and rate of clearance. *Blood*, 64(2), 458–469. <https://doi.org/10.1182/blood.v64.2.458.458>
- Brokhman, I., & Galea, A. M. (2023). A novel method for the preparation and frozen storage of growth factors and cytokines obtained from platelet-rich plasma. *Journal of Cartilage and Joint Preservation*, 3(2), 100089. <https://doi.org/10.1016/j.jcjp.2022.100089>
- Casati, L., Celotti, F., Negri-Cesi, P., Sacchi, M. C., Castanoy, P., & Colciago, A. (2014). Platelet derived growth factor (PDGF) contained in Platelet Rich Plasma (PRP) stimulates migration of osteoblasts by reorganizing actin cytoskeleton. *Cell Adhesion and Migration*, 8(6), 595–602. <https://doi.org/10.4161/19336918.2014.972785>
- Cecerska-Heryć, E., Goszka, M., Serwin, N., Roszak, M., Grygorcewicz, B., Heryć, R., & Dołęgowska, B. (2022). Applications of the regenerative capacity of platelets in modern medicine. *Cytokine & Growth Factor Reviews*, 64, 84–94. <https://doi.org/10.1016/j.cytogfr.2021.11.003>
- Chagas, C. R. F., Binkienė, R., Ilgūnas, M., Iezhova, T., & Valkiūnas, G. (2020). The buffy coat method: A tool for detection of blood parasites without staining procedures. *Parasites and Vectors*, 13(1), 1–12. <https://doi.org/10.1186/s13071-020-3984-8>
- Cheng, H. G., McBride, O., & Phillips, M. R. (2015). Relationship between knowledge about the harms of smoking and smoking status in the 2010 Global Adult Tobacco China Survey. *Tobacco Control*, 24(1), 54–61. <https://doi.org/10.1136/tobacco-2014-025252>

/10.1136/tobaccocontrol-2013-051163

- Cole, B. J., Seroyer, S. T., Filardo, G., Bajaj, S., & Fortier, L. A. (2010). Platelet-rich plasma: Where are we now and where are we going? *Sports Health*, 2(3), 203–210. <https://doi.org/10.1177/1941738110366385>
- Darmawan, D. (2019). Pengaruh Perlakuan Penangan Sampel Darah terhadap Kadar Hemoglobin. *Journal of Chemical Information and Modeling*, 53(9), 6–23.
- Date, P. (2012). *UCSF UC San Francisco Electronic Theses and Dissertations Author*.
- Degen, R. M., Bernard, J. A., Oliver, K. S., & Dines, J. S. (2017). Commercial Separation Systems Designed for Preparation of Platelet-Rich Plasma Yield Differences in Cellular Composition. *HSS Journal*, 13(1), 75–80. <https://doi.org/10.1007/s11420-016-9519-3>
- DeSimone, R. A., Plimier, C., Lee, C., Kaniyas, T., Cushing, M. M., Sachais, B. S., Kleinman, S., Busch, M. P., & Roubinian, N. H. (2020). Additive effects of blood donor smoking and gamma irradiation on outcome measures of red blood cell transfusion. *Transfusion*, 60(6), 1175–1182. <https://doi.org/10.1111/trf.15833>
- Dewi, S. P., Lilik, S., & Karyanta, N. A. (2013). Perbedaan perilaku merokok ditinjau dari tingkat stres pada wanita dewasa awal di Yogyakarta. *Jurnal Ilmiah Psikologi Candrajiwa*, 2(2), 30–43. <https://candrajiwa.psikologi.fk.uns.ac.id/index.php/candrajiwa/article/view/54>
- Dhurat, R., & Sukesh, M. (2014). Principles and methods of preparation of platelet-rich plasma: A review and author's perspective. *Journal of Cutaneous and Aesthetic Surgery*, 7(4), 189. <https://doi.org/10.4103/0974-2077.150734>
- Dr. Suhara Manullang, M. K. (2017). SOP Pengambilan Sampel Darah Vena Dengan Spuit. *RSU Tangerang Selatan*, 11–13.
- Ebrahimpour, A., Shrestha, S., Bonnen, M. D., Tony Eissa, N., Raghu, G., & Ghebre, Y. T. (2019). Nicotine modulates growth factors and microRNA to promote inflammatory and fibrotic processes. *Journal of Pharmacology and Experimental Therapeutics*, 368(2), 169–178. <https://doi.org/10.1124/jpet.118.252650>
- Eisinger, F., Patzelt, J., & Langer, H. F. (2018). The platelet response to tissue injury. *Frontiers in Medicine*, 5(NOV), 1–15. <https://doi.org/10.3389/fmed.2018.00317>
- Eren, G., Türkoğlu, H. O., Atmaca, H., & Atilla, F. G. (2015). Evaluation of GCF MMP-1, MMP-8, TGF- β 1, PDGF-AB, and VEGF levels in periodontally healthy smokers. *Turkish Journal of Medical Sciences*, 45(4), 850–856. <https://doi.org/10.3906/sag-1405-112>

- Estevez, B., & Du, X. (2017). New concepts and mechanisms of platelet activation signaling. *Physiology*, 32(2), 162–177. <https://doi.org/10.1152/physiol.00020.2016>
- Everts, P., Onishi, K., Jayaram, P., & Mautner, K. (2020). *Platelet-Rich Plasma : New Performance Understandings and Therapeutic Considerations in 2020*.
- Faradhillah, A., & Dewi, T. K. (2018). Perilaku Merokok Pada Dewasa Awal Ditinjau Dari Protection Motivation Theory. *Jurnal Psikologi Klinis Dan Kesehatan Mental Tahun*, 7, 12–20. <https://journals.umkt.ac.id/index.php/bsr/article/download/1628/685/>
- Field, T. S., Castellanos, M., Weksler, B. B., & Benavente, O. R. (2016). Antiplatelet Therapy for Secondary Prevention of Stroke. In *Stroke: Pathophysiology, Diagnosis, and Management* (Sixth Edit). <https://doi.org/10.1016/B978-0-323-29544-4.00061-X>
- Forte, A. J., Boczar, D., Huayllani, M. T., Bagaria, S. P., & McLaughlin, S. A. (2019). Use of Autologous Blood Components in Lymphedema Treatment: A Systematic Review. *Cureus*, 11(9). <https://doi.org/10.7759/cureus.5638>
- Gammon, R. R., Devine, D., Katz, L. M., Quinley, E., Wu, Y. Y., Rowe, K., Razatos, A., Min, K., Reichenberg, S., & Smith, R. (2021). Buffy coat platelets coming to America: Are we ready? *Transfusion*, 61(2), 627–633. <https://doi.org/10.1111/trf.16184>
- Gharagozloo, M., Kalantari, H., Rezaei, A., Maracy, M. R., Salehi, M., Bahador, A., Hassannejad, N., Narimani, M., Sanei, M. H., Bayat, B., & Ghazanfari, H. (2015). CLINICAL STUDY Immune-mediated cochleovestibular disease. *Bratislavsk?? Lek??Rske Listy*, 116(5), 296–301. <https://doi.org/10.4149/BLL>
- Goldenberg, M., Danovitch, I., & IsHak, W. W. (2014). Quality of life and smoking. *American Journal on Addictions*, 23(6), 540–562. <https://doi.org/10.1111/j.1521-0391.2014.12148.x>
- Gomes de Azevedo-Quintanilha, I., Campos, M. M., Teixeira Monteiro, A. P., Dantas do Nascimento, A., Calheiros, A. S., Oliveira, D. M., Dias, S. S. G., Soares, V. C., Santos, J. da C., Tavares, I., Lopes Souza, T. M., Hottz, E. D., Bozza, F. A., & Bozza, P. T. (2022). Increased platelet activation and platelet-inflammasome engagement during chikungunya infection. *Frontiers in Immunology*, 13(September), 1–13. <https://doi.org/10.3389/fimmu.2022.958820>
- Gremmel, T., Frelinger, A. L., & Michelson, A. D. (2016). Platelet physiology. *Seminars in Thrombosis and Hemostasis*, 42(3), 191–204. <https://doi.org/10.1055/s-0035-1564835>
- Guérit, E., Arts, F., Dachy, G., Boulouadnine, B., & Demoulin, J. B. (2021). PDGF receptor mutations in human diseases. *Cellular and Molecular Life Sciences*, 78(8), 3867–3881. <https://doi.org/10.1007/s00018-020-03753-y>

- Gunes, S., Metin Mahmutoglu, A., Arslan, M. A., & Henkel, R. (2018). Smoking-induced genetic and epigenetic alterations in infertile men. *Andrologia*, *50*(9), 1–17. <https://doi.org/10.1111/and.13124>
- Gupta, S., Paliczak, A., & Delgado, D. (2021). Evidence-based indications of platelet-rich plasma therapy. *Expert Review of Hematology*, *14*(1), 97–108. <https://doi.org/10.1080/17474086.2021.1860002>
- Hahad, O., Kuntic, M., Kuntic, I., Daiber, A., & Münzel, T. (2023). Tobacco smoking and vascular biology and function: evidence from human studies. *Pflugers Archiv European Journal of Physiology*, *475*(7), 797–805. <https://doi.org/10.1007/s00424-023-02805-z>
- Heijnen, H. F. G., & Korporaal, S. J. A. (2017). Platelet Morphology and Ultrastructure. In *Platelets in Thrombotic and Non-Thrombotic Disorders* (pp. 21–37). Springer International Publishing. https://doi.org/10.1007/978-3-319-47462-5_3
- Hesseler, M. J., & Shyam, N. (2019). Platelet-rich plasma and its utility in medical dermatology: A systematic review. *Journal of American Dermatology*. <https://doi.org/10.1016/j.jaad.2019.04.037>
- Holinstat, M. (2017). Normal platelet function. *Cancer and Metastasis Reviews*, *36*(2), 195–198. <https://doi.org/10.1007/s10555-017-9677-x>
- Huilcaman, R., Venturini, W., Fuenzalida, L., Cayo, A., Segovia, R., Valenzuela, C., Brown, N., & Moore-Carrasco, R. (2022). Platelets, a Key Cell in Inflammation and Atherosclerosis Progression. *Cells*, *11*(6). <https://doi.org/10.3390/cells11061014>
- Jackson, S. E., Tattan-Birch, H., Buss, V., Shahab, L., & Brown, J. (2024). Trends in Daily Cigarette Consumption Among Smokers: A Population Study in England, 2008–2023. *Nicotine and Tobacco Research*, *May*, 1–11. <https://doi.org/10.1093/ntr/ntae071>
- Jackson, S. P., Darbousset, R., & Schoenwaelder, S. M. (2019). Thromboinflammation: Challenges of therapeutically targeting coagulation and other host defense mechanisms. *Blood*, *133*(9), 906–918. <https://doi.org/10.1182/blood-2018-11-882993>
- Janocha et al. (2024). *Platelet-Rich Plasma as a new treatment method in orthopedics*. 1–15.
- Kamruzzaman, M., Hossain, A., & Kabir, E. (2022). Smoker's characteristics, general health and their perception of smoking in the social environment: a study of smokers in Rajshahi City, Bangladesh. *Journal of Public Health (Germany)*, *30*(6), 1501–1512. <https://doi.org/10.1007/s10389-020-01413-w>
- Kanikala-Marie, P., Lam, M., Sorokin, A. V., Overman, M. J., Kopetz, S., & Menter, D. G. (2018). Platelet metabolism and other targeted drugs; Potential impact on immunotherapy. *Frontiers in Oncology*, *8*(APR), 1–11. <https://doi.org/10.3389/fonc.2018.00001>

org/10.3389/fonc.2018.00107

- Kardas, G., Daszyńska-Kardas, A., Marynowski, M., Brząkalska, O., Kuna, P., & Panek, M. (2020). Role of Platelet-Derived Growth Factor (PDGF) in Asthma as an Immunoregulatory Factor Mediating Airway Remodeling and Possible Pharmacological Target. *Frontiers in Pharmacology*, *11*(February), 1–9. <https://doi.org/10.3389/fphar.2020.00047>
- Kelley, J. (2022). *Cytokines of the Lung*. CRC Press. <https://doi.org/10.1201/9781003066927>
- Khan, A. I., & Anwer, F. (2024). Platelet Transfusion. In *StatPearls*. <http://www.ncbi.nlm.nih.gov/pubmed/21371858>
- Kito, Y., Iida, M., Tanabe, K., Onuma, T., Tsujimoto, M., Nagase, K., Tokuda, H., Iwama, T., Kozawa, O., & Iida, H. (2019). Smoking cessation affects human platelet activation induced by collagen. *Experimental and Therapeutic Medicine*, *14*, 3809–3816. <https://doi.org/10.3892/etm.2019.8025>
- Kobayashi, E., Flückiger, L., Fujioka-Kobayashi, M., Sawada, K., Sculean, A., Schaller, B., & Miron, R. J. (2016). Comparative release of growth factors from PRP, PRF, and advanced-PRF. *Clinical Oral Investigations*, *20*(9), 2353–2360. <https://doi.org/10.1007/s00784-016-1719-1>
- Komitopoulou, A. (2015). Platelets: Are They Only an “Hemostatic Player”? *Hematology & Transfusion International Journal*, *1*(1), 6–7. <https://doi.org/10.15406/htij.2015.01.00002>
- Kowitt, S. D., Sheeran, P., Jarman, K. L., Ranney, L. M., Schmidt, A. M., Noar, S. M., Huang, L. L., & Goldstein, A. O. (2018). Cigarette constituent health communications for smokers: Impact of chemical, imagery, and source. *Nicotine and Tobacco Research*, *21*(6), 841–845. <https://doi.org/10.1093/ntr/ntx226>
- Kristoffersen, E. K., & Apelsest, T. O. (2019). Platelet functionality in cold-stored whole blood. *ISBT Science Series*, *14*(3), 308–314. <https://doi.org/10.1111/voxs.12501>
- Lau, P. P., Li, L., Merched, A. J., Zhang, A. L., Ko, K. W. S., & Chan, L. (2006). Nicotine induces proinflammatory responses in macrophages and the aorta leading to acceleration of atherosclerosis in low-density lipoprotein receptor-/- mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, *26*(1), 143–149. <https://doi.org/10.1161/01.ATV.0000193510.19000.10>
- Ljubic, A., Nikolic, L., Stefanovic, S., Popovic, Z., Bojanic, N., Anojcic, P., Markovic, S., Mijajlovic, M., & Kastratovic, D. (2016). The significance of E. coli treatment in perinatal period. *Hospital Pharmacology - International Multidisciplinary Journal*, *3*(2), 416–421. <https://doi.org/10.5937/hpimj1602416l>
- Londoño Pérez, C., Pardo Adames, C., & Velasco Salamanca, M. (2021). Bases

- psicofisiológicas del sistema de clasificación de fumadores Basado en el reflejo asombroso de las tasas relacionadas con el tabaco. *Universitas Psychologica*, 19, 1–9. <https://doi.org/10.11144/Javeriana.upsy19.pbsc>
- Makawekes, M. T., Kalangi, S. J. R., & Pasiak, T. F. (2016). Perbandingan Kadar Hemoglobin Darah Pada Pria Perokok Dan Bukan Perokok. *Jurnal E-Biomedik*, 4(1). <https://doi.org/10.35790/ebm.4.1.2016.11250>
- Maouia, A., Rebetz, J., Kapur, R., & Semple, J. W. (2020). The Immune Nature of Platelets Revisited. *Transfusion Medicine Reviews*, 34(4), 209–220. <https://doi.org/10.1016/j.tmr.2020.09.005>
- Margono, A., Bagio, D. A., Julianto, I., & Suprastiwi, E. (2022). The Effect of Calcium Gluconate on Platelet Rich Plasma Activation for VEGF-A Expression of Human Dental Pulp Stem Cells. *European Journal of Dentistry*, 16(02), 424–429. <https://doi.org/10.1055/s-0041-1735930>
- Mariani, E., & Pulsatelli, L. (2020). Platelet concentrates in musculoskeletal medicine. *International Journal of Molecular Sciences*, 21(4), 9–12. <https://doi.org/10.3390/ijms21041328>
- Marini, I., Rigoni, F., Zlamal, J., Pelzl, L., Althaus, K., & Nowak-harnau, S. (2019). *Blood donor-derived buffy coat to produce platelets in vitro*. 1–9. <https://doi.org/10.1111/vox.12863>
- Martínez-Martínez, A., Ruiz-Santiago, F., & García-Espinosa, J. (2018). Platelet-rich plasma: myth or reality? *Radiologia*, 60(6), 465–475. <https://doi.org/10.1016/j.rx.2018.08.006>
- Mitchell, W. B., Biology, P., York, N., & York, N. (2014). *Platelets in Blood Clotting*. 1–6. <https://doi.org/10.1016/B978-0-12-801238-3.00062-3>
- Mochizuki, T., Ushiki, T., Watanabe, S., Omori, G., & Kawase, T. (2022). The levels of TGFβ1, VEGF, PDGF-BB, and PF4 in platelet-rich plasma of professional soccer players: a cross-sectional pilot study. *Journal of Orthopaedic Surgery and Research*, 17(1), 1–9. <https://doi.org/10.1186/s13018-022-03362-4>
- Mondragão-Rodrigues, I., & Macedo, M. F. (2023). Buffy Coat Processing Impacts on Monocytes' Capacity to Present Lipid Antigens. *Biomedicines*, 11(3). <https://doi.org/10.3390/biomedicines11030833>
- Nataraj, N. B. (2020). Encyclopedia of Molecular Pharmacology. *Encyclopedia of Molecular Pharmacology*, May. <https://doi.org/10.1007/978-3-030-21573-6>
- NCADV. (2017). HHS Public Access. *Physiology & Behavior*, 176(1), 139–148. <https://doi.org/10.1161/CIRCRESAHA.121.318063.OXIDATIVE>
- Nicolai, L., Pekayvaz, K., & Massberg, S. (2024). Platelets: Orchestrators of immunity in host defense and beyond. *Immunity*, 57(5), 957–972. <https://doi.org/10.1016/j.immuni.2024.04.008>

- Ningrum, N. R., & Khairinisa, G. (2022). Gambaran Hematologi Pada Komponen PRC Buffy Coat Removed dan Washed Red Cell. *Anakes : Jurnal Ilmiah Analis Kesehatan*, 8(1), 70–78. <https://doi.org/10.37012/anakes.v8i1.796>
- Novelo-Garza, B., & Benítez-Arvizu, G. (2023). *Keywords Blood Blood Banks Blood Transfusion Obtaining blood components in blood banks. 61*. <http://revistamedica.imss.gob.mx/>
- Nuszkiewicz, J., Wróblewska, J., Budek, M., Czuczejko, J., Woźniak, A., Maruszak-Parda, M., & Szewczyk-Golec, K. (2024). Exploring the Link between Inflammatory Biomarkers and Head and Neck Cancer: Understanding the Impact of Smoking as a Cancer-Predisposing Factor. *Biomedicines*, 12(4). <https://doi.org/10.3390/biomedicines12040748>
- Ouyang, L., Zhang, K., Chen, J., Wang, J., & Huang, H. (2018). Roles of platelet-derived growth factor in vascular calcification. *Journal of Cellular Physiology*, 233(4), 2804–2814. <https://doi.org/10.1002/jcp.25985>
- Park, J., Seo, Y., Kim, S., Kim, H., Kim, M., & Lee, M. (2024). Impact of inhalation exposure to cigarette smoke on the pathogenesis of pulmonary hypertension primed by monocrotaline in rats. *Journal of Applied Toxicology*, 44(3), 470–483. <https://doi.org/10.1002/jat.4555>
- Park, K., Kim, Y., Kim, M., Song, C., Park, J., & Ryu, S. (2022). Designing staggered platelet composite structure with Gaussian process regression based Bayesian optimization. *Composites Science and Technology*, 220. <https://doi.org/10.1016/j.compscitech.2021.109254>
- Passaretti, F., Tia, M., D'eseposito, V., De Pascale, M., Del Corso, M., Sepulveres, R., Liguoro, D., Valentino, R., Beguinot, F., Formisano, P., & Sammartino, G. (2014). Growth-promoting action and growth factor release by different platelet derivatives. *Platelets*, 25(4), 252–256. <https://doi.org/10.3109/09537104.2013.809060>
- Pedini, P., Baudey, J. B., Pouymayou, K., Falaise, C., Ibrahim-Kosta, M., Véliier, M., Demerle, C., Graiet, H., Dragutini, C., Dombey, A. marie, Chiaroni, J., Alessi, M. C., & Picard, C. (2022). Screening platelet function in blood donors. *Transfusion*, 62(8), 1643–1651. <https://doi.org/10.1111/trf.16990>
- Pokrovskaya, I. D., Tobin, M., Desai, R., Joshi, S., Jeffrey, A., Zhang, G., Aronova, M. A., Whiteheart, S. W., Richard, D., & Storrie, B. (2022). *Activation as Revealed by 3D Ultrastructural Analysis. 32(1)*, 97–104. <https://doi.org/10.1080/09537104.2020.1719993>.Canalicular
- Ponomareva, A. A., Nevzorova, T. A., Mordakhanova, E. R., Andrianova, I. A., & Litvinov, R. I. (2016). Structural characterization of platelets and platelet microvesicles. *Cell and Tissue Biology*, 10(3), 217–226. <https://doi.org/10.1134/S1990519X1603010X>
- Prudent, M. (2020). What about Platelet Function in Platelet Concentrates?

Hamostaseologie, 40(4), 500–508. <https://doi.org/10.1055/a-1210-3229>

- Pulvers, K., Scheuermann, T. S., Romero, D. R., Basora, B., Luo, X., & Ahluwalia, J. S. (2014). Classifying a smoker scale in adult daily and nondaily smokers. *Nicotine and Tobacco Research*, 16(5), 591–599. <https://doi.org/10.1093/ntt/ntt187>
- Puricelli, C., Boggio, E., Gigliotti, C. L., Stoppa, I., Sutti, S., Giordano, M., Dianzani, U., & Rolla, R. (2023). Platelets, Protean Cells with All-Around Functions and Multifaceted Pharmacological Applications. *International Journal of Molecular Sciences*, 24(5). <https://doi.org/10.3390/ijms24054565>
- Raeissadat, S. A., Babae, M., Rayegani, S. M., Hashemi, Z., Hamidieh, A. A., Mojangi, P., & Vanda, H. F. (2017). An overview of platelet products (PRP, PRGF, PRF, etc.) in the Iranian studies. *Future Science OA*, 3(4). <https://doi.org/10.4155/fsoa-2017-0045>
- Raica, M., & Cimpian, A. M. (2010). Platelet-derived growth factor (PDGF)/PDGF receptors (PDGFR) axis as target for antitumor and antiangiogenic therapy. *Pharmaceuticals*, 3(3), 572–599. <https://doi.org/10.3390/ph3030572>
- Rakowicz-Szulczynska, E. M., McIntosh, D. G., Perry, M., & Smith, M. L. (1996). PDGF AA as mediator in nicotine-dependent carcinogenesis. *Carcinogenesis*, 17(9), 1813–1818. <https://doi.org/10.1093/carcin/17.9.1813>
- Rosita, L., Cahya, A. A., & Arfira, F. athiya R. (2019). Hematologi Dasar. In *Universitas Islam Indonesia*.
- Ruiz, J. M., Beitia, M., Delgado, D., Sánchez, P., Sánchez, M. B., Oraa, J., Benito-Lopez, F., Basabe-Desmont, L., & Sánchez, M. (2024). Method to obtain a plasma rich in platelet and plasma-growth factors based on water evaporation. *PLoS ONE*, 19(2), 1–14. <https://doi.org/10.1371/journal.pone.0297001>
- Salajegheh, A. (2016). Platelet-Derived Endothelial Cell Growth Factor (PDGF). In *Angiogenesis in Health, Disease and Malignancy* (pp. 229–234). Springer International Publishing. https://doi.org/10.1007/978-3-319-28140-7_35
- Saumell-Esnaola, M., Delgado, D., García Del Caño, G., Beitia, M., Sallés, J., González-Burguera, I., Sánchez, P., López de Jesús, M., Barrondo, S., & Sánchez, M. (2022). Isolation of Platelet-Derived Exosomes from Human Platelet-Rich Plasma: Biochemical and Morphological Characterization. *International Journal of Molecular Sciences*, 23(5), 1–19. <https://doi.org/10.3390/ijms23052861>
- Schär, M. O., Diaz-Romero, J., Kohl, S., Zumstein, M. A., & Nesic, D. (2015). Platelet-rich Concentrates Differentially Release Growth Factors and Induce Cell Migration In Vitro. *Clinical Orthopaedics and Related Research*, 473(5), 1635–1643. <https://doi.org/10.1007/s11999-015-4192-2>
- Schlesinger, M. (2018). Role of platelets and platelet receptors in cancer metastasis 06 Biological Sciences 0601 Biochemistry and Cell Biology. *Journal of*

Hematology and Oncology, 11(1), 1–15. <https://doi.org/10.1186/s13045-018-0669-2>

Selvadurai, M. V, Hamilton, J. R., Selvadurai, M. V, & Hamilton, J. R. (2018). Structure and function of the open canalicular system – the platelet ' s specialized internal membrane network Structure and function of the open canalicular system – the platelet ' s specialized internal membrane network. *Platelets*, 00(00), 1–7. <https://doi.org/10.1080/09537104.2018.1431388>

Skaba, D. (2024). *Platelet-Rich Plasma (PRP) and Injectable Platelet-Rich Fibrin (i-PRF) in the Non-Surgical Treatment of Periodontitis — A Systematic Review*.

Smucker, S., Meadows, S. O., & Beckman, R. (2023). Use of Electronic Cigarettes and Other Tobacco Products Among Active Component Services Members. *Military Medicine*, 188(1–2), e220–e227. <https://doi.org/10.1093/milmed/usab252>

Solakoglu, Ö., Heydecke, G., Amiri, N., & Anitua, E. (2020). The use of plasma rich in growth factors (PRGF) in guided tissue regeneration and guided bone regeneration. A review of histological, immunohistochemical, histomorphometrical, radiological and clinical results in humans. *Annals of Anatomy*, 231, 151528. <https://doi.org/10.1016/j.aanat.2020.151528>

Soliman, A. M., & Barreda, D. R. (2023). Acute Inflammation in Tissue Healing. *International Journal of Molecular Sciences*, 24(1). <https://doi.org/10.3390/ijms24010641>

Sorrentino, S., Studt, J. D., Horev, M. B., Medalia, O., & Sapra, K. T. (2016). Toward correlating structure and mechanics of platelets. *Cell Adhesion and Migration*, 10(5), 568–575. <https://doi.org/10.1080/19336918.2016.1173803>

Stone, W. L., Leavitt, L., & Varacallo, M. (2024). Physiology, Growth Factor. In *StatPearls*. <http://www.ncbi.nlm.nih.gov/pubmed/30145641>

Tabatabaei, F., Aghamohammadi, Z., & Tayebi, L. (2020). In vitro and in vivo effects of concentrated growth factor on cells and tissues. *Journal of Biomedical Materials Research - Part A*, 108(6), 1338–1350. <https://doi.org/10.1002/jbm.a.36906>

Thomas, S. G. (2019). The structure of resting and activated platelets. In *Platelets* (4th ed.). Elsevier Inc. <https://doi.org/10.1016/B978-0-12-813456-6.00003-5>

Twomey, L., G. Wallace, R., M. Cummins, P., Degryse, B., Sheridan, S., Harrison, M., Moyna, N., Meade-Murphy, G., Navasiolava, N., Custaud, M.-A., & P. Murphy, R. (2019). Platelets: From Formation to Function. *Homeostasis - An Integrated Vision*. <https://doi.org/10.5772/intechopen.80924>

Tyagi, T., Jain, K., Gu, S. X., Qiu, M., Gu, V. W., Melchinger, H., Rinder, H., Martin, K. A., Gardiner, E. E., Lee, A. I., Tang, W. H., & Hwa, J. (2022). A guide to molecular and functional investigations of platelets to bridge basic

- and clinical sciences. *Nature Cardiovascular Research*, 1(3), 223–237. <https://doi.org/10.1038/s44161-022-00021-z>
- Ulusoy, A. T., Turedi, I., Cimen, M., & Cehreli, Z. C. (2019). Evaluation of Blood Clot, Platelet-rich Plasma, Platelet-rich Fibrin, and Platelet Pellet as Scaffolds in Regenerative Endodontic Treatment: A Prospective Randomized Trial. *Journal of Endodontics*, 45(5), 560–566. <https://doi.org/10.1016/j.joen.2019.02.002>
- van der Meer, P. F., Reesink, H. W., de Korte, D., Loos, J. A., & Klei, T. R. L. (2022). The history of buffy coat platelet concentrates: The Dutch story. *Vox Sanguinis*, 117(7), 913–919. <https://doi.org/10.1111/vox.13280>
- van der Meijden, P. E. J., & Heemskerk, J. W. M. (2019). Platelet biology and functions: new concepts and clinical perspectives. *Nature Reviews Cardiology*, 16(3), 166–179. <https://doi.org/10.1038/s41569-018-0110-0>
- Vit, G., Klüter, H., & Wuchter, P. (2020). Platelet storage and functional integrity. *Journal of Laboratory Medicine*, 44(5), 285–293. <https://doi.org/10.1515/abmed-2020-0067>
- Wechmann, M., Ziętek, P., Sieczka, Ł., Dobiecki, K., Krzywda-Pogorzelska, J., Czajka, R., Kaminski, A., Bohatyrewicz, A., & Kotrych, D. (2018). The effect of smoking on posttraumatic pseudoarthrosis healing after internal stabilization, treated with platelet rich plasma (PRP). *Open Medicine*, 13(1), 425–432. <https://doi.org/10.1515/med-2018-0063>
- Weibrich, G., Kleis, W. K. G., Hafner, G., & Hitzler, W. E. (2002). Growth factor levels in platelet-rich plasma and correlations with donor age, sex, and platelet count. *Journal of Cranio-Maxillofacial Surgery*, 30(2), 97–102. <https://doi.org/10.1054/jcms.2002.0285>
- Wen, S., Wiers, R. W., Boffo, M., Grasman, R. P. P. P., Pronk, T., & Larsen, H. (2021). Subtypes of smokers in a randomized controlled trial of a web-based smoking cessation program and their role in predicting intervention non-usage attrition: Implications for the development of tailored interventions. *Internet Interventions*, 26, 100473. <https://doi.org/10.1016/j.invent.2021.100473>
- Whitehead, A. K., Erwin, A. P., & Yue, X. (2021). Nicotine and vascular dysfunction. *Acta Physiologica*, 231(4), 1–21. <https://doi.org/10.1111/apha.13631>
- WHO, W. H. O. (2020). *Tobacco responsible for 20% of deaths from coronary heart disease*. 1.
- Xanthoulea, S., Deliaert, A., Romano, A., Rensen, S. S., Buurman, W. A., & Van Der Hulst, R. R. (2013). Nicotine effect on inflammatory and growth factor responses in murine cutaneous wound healing. *International Immunopharmacology*, 17(4), 1155–1164. <https://doi.org/10.1016/j.intimp.2013.10.022>

- Xing, A. P., Hu, X. Y., Shi, Y. W., & Du, Y. C. (2012). Implication of PDGF signaling in cigarette smoke-induced pulmonary arterial hypertension in rat. *Inhalation Toxicology*, 24(8), 468–475. <https://doi.org/10.3109/08958378.2012.688885>
- Xu, J., Xie, L., & Guo, W. (2018). PDGF/PDGFR effects in osteosarcoma and the “add-on” strategy. *Clinical Sarcoma Research*, 8(1), 1–9. <https://doi.org/10.1186/s13569-018-0102-1>
- Yan, C., Wu, H., Fang, X., He, J., & Zhu, F. (2023). Platelet, a key regulator of innate and adaptive immunity. *Frontiers in Medicine*, 10(March), 1–11. <https://doi.org/10.3389/fmed.2023.1074878>
- Yang, B., Wang, X., Hu, X., Xiao, Y., Xu, X., Yu, X., Wang, M., Luo, H., Li, J., Ma, Y., & Shen, W. (2023). Platelet morphology, ultrastructure and function changes in acute ischemic stroke patients based on structured illumination microscopy. *Heliyon*, 9(8), e18543. <https://doi.org/10.1016/j.heliyon.2023.e18543>
- Yanti, D. E., Aprilia, A., Jaya, A., Pratama, R. Y., & Candesa, N. B. (2021). Hubungan Pekerjaan dengan Perilaku Merokok di Wilayah Kerja Puskesmas Bumi Emas Lampung Timur. *Jurnal Dunia Kesmas*, 10(1), 51–55. <https://doi.org/10.33024/jdk.v10i1.3240>
- Zhang, Y., Yi, D., Hong, Q., Cao, J., Geng, X., Liu, J., Xu, C., Cao, M., Chen, C., Xu, S., Zhang, Z., Li, M., Zhu, Y., & Peng, N. (2024). Platelet-rich plasma-derived exosomes boost mesenchymal stem cells to promote peripheral nerve regeneration. *Journal of Controlled Release*, 367, 265–282. <https://doi.org/10.1016/j.jconrel.2024.01.043>
- Zou, J., Sun, S., De Simone, I., ten Cate, H., de Groot, P. G., de Laat, B., Roest, M., Heemskerk, J. W. M., & Swieringa, F. (2024). Platelet Activation Pathways Controlling Reversible Integrin $\alpha\text{IIb}\beta_3$ Activation. *TH Open*, 08(02), e232–e242. <https://doi.org/10.1055/s-0044-1786987>