

DAFTAR PUSTAKA

- Ackfeld T, Schmutz TR, Guechi Y, Le Terrier C. 2022. Blood transfusion reactions-A comprehensive review of the literature including a Swiss perspective. *Stomatology*. 11(10); 2856-2859.
- Adhikary R, Bhavana MV. 2018. The risk of transfusion transmissible infections. Where do we stand in 2018? *Global Journal of Transfusion Medicine*. 3(2):88-97.
- Al Abud, Bashein A, Msalati A. 2008. Investigating the importance of haemoglobin measurement for selection of blood donors in Libya. *Libyan Journal of Medicine*. 4(4):137-139.
- Alsomali D, Ismail A, Moussa HMM, Almataani AF, Thabit YY, Alghamdi MS, et al. 2022. Indications and complications of blood transfusion. *International Journal of Community Medicine and Publik Health*. 9(5):2291-2296.
- Amalia SN, Dalimenthe NZ, Rachman JI. 2015. Profile of blood transfusion requests from hospital to Bandung Blood Transfusion Unit, Indonesia Red Cross in 2011. *Althea Medical Journal*. 2(3):433-439.
- Andriyani Y, Btari S, Sepvianti W. 2019. Gambaran jumlah eritrosit pada whole blood selama 30 hari penyimpanan di PMI Kabupaten Sleman Yogyakarta. *Proceeding Conference on Research and Community Services*. 1(1):463-468.
- Audu LI, Otuneye AT, Mairami AB, Mshelia LJ, Nwatah E. 2015. Posttransfusion hematocrit equilibrium: Timing posttransfusion haematocrit check in neonates at the national hospital, Abuja, Nigeria. *Internatio1nal Journal of Pediatrics*. 20015; 175867.
- Barker SJ, Shander AS, Ramsay M. 2016. Continuous noninvasive hemoglobin monitoring: A Measured response to a critical review. *Anesthesia & Analgesia*. 122(2):565-572.
- Bhagwal SN, Sharma JH, Kadhane OR, Lalla P. 2023. Activity of labile coagulation factors, section factor X and fibrinogen level in frozen plasma versus fresh frozen plasma. *Journal of Clinical and Diagnostic Research*. 17(5):26-29.
- Bria TCN, Mentari D, Sepvianti W, Pebriani R, Tirtana A, Nurpratami D. 2024. Evaluasi kualitas thrombocyte concentrate selama masa simpan lima hari berdasarkan variasi usia pendonor. *Medika Kartika*. 7(2):112-123.
- Bindu B, Singhal V. 2022. *Fresh Frozen Plasma*. Dalam: Prabhakar H, Tandon S, Kapoor I, Mahajan C, eds. Transfusion practice in clinical neurosciences. Singapore; Springer. pp. 2-27.
- Burns CD. 2022. Anemia and red blood cell transfusion in the adult non-bleeding patient. *Annals of Blood*. 7:1-11.

- Chougule P, Shirodkar P, Alias GGSS, Samant N, Haldankar C. 2020. IR based haemoglobin measurement using non invasive technique and its classification. *IJERT*. 9(6):541-543.
- Diaz MQ, Esteban EMA, Sanchez-Serrano A, Viro AM, Vela RJ, Garcia JA. 2020. Transfusions in the emergency department: More than a blood transfusion. *Revista Clinica Espanola*. 220(7):393-399.
- Elizalde JI, Clemente J, Marin JL, Panes J, Aragon B, Mas A, et al. 1997. Early changes in hemoglobin and hematocrit levels after packed red cell transfusion in patients with acute anemia. *Transfusion*. 37(6):573-6.
- Enya VE, Orji ML, Brown BJ. 2023. Equilibration time of haemoglobin concentration after packed red blood cell transfusion in children seen in the emergency unit of a tertiary hospital in Southeast, Nigeria. *Transfusion and Apheresis Science*. 62(4):103709.
- Fauziyah N. *Sampling dan besar sampel bidang kesehatan masyarakat dan klinis*. Bandung: Poltekkes Kemenkes Bandung; 2019.
- Fong IW. 2020. Blood transfusion-Associated infections in the twenty first century: New Challenges. *Current Trends and Concerns in Infectious Disease*. 7:191-215.
- Fletcher CM, Hinton JV, Xing Z, Perry LA, Karamesinis A, Shi J, et al. 2025. Fresh frozen plasma transfusion after cardiac surgery. *Perfusion*. 40(1):103-115.
- Frimat L, Amirou M, Jaulin JP, Raymond GS, Pau D, Zaoui P, et al. 2019. Impact of comorbidities on hemoglobin stability in patients with chronic kidney insufficiency on hemodialysis, treated with CERA in current practice: The MIRIADE study. *Nephrologie & Therapeutique*. 15(3):162-168.
- Glatstein M, Oron T, Raka M, Mimouni FB, Dollberg S. 2005. Posttransfusion equilibrium of hematocrit in hemodynamically stable neonates. *Pediatric Critical Care Medicine*. 6(6):707-708.
- Giriyanto PWR, Mulyasari MW. 2021. The effectiveness of Durante hemodialysis packed red cells (PRC) transfusion on hemoglobin levels. *Journal of Ners and Midwifery*. 8(1):13-18.
- Golden J, Dossa A, Goodhue CJ, Upperman JS, Gayer CP. 2015. Admission hematocrit predicts the need for transfusion secondary to hemorrhage in pediatric blunt trauma patients. *J Trauma Acute Care Surg*. 79(4):555-562.
- Hiesse C, Busson M, Buisson C. 2001. Multicenter trial of one HLA-DR-matched or mismatched blood transfusion prior to cadaveric renal transplantation. *Kidney International*. 60(1):341-349.
- Hoque M, Adnan SD, Karim S, Al Mamun MA, Nandy S, Al Faruki M, et al. 2015. Equilibrium and increase of hemoglobin concentration after one unit whole blood transfusion among patients not actively bleeding. *Journal of Dhaka Medical College*. 23(2):161-166.

- Ilham, Rifai M. 2022. Perbedaan kadar hemoglobin darah sukarela sebelum dan sesudah diolah menjadi packed red cell di unit transfusi darah PMI Kota Surabaya. *J-HESTECH*. 5(1):67-74.
- Indah, Nurhayati B, Marliana N, Hayati E. 2022. Pengaruh lama simpan dan konsentrasi manitol pada packed red cell SAGM terhadap kadar hemoglobin dan hematocrit. *Jurnal Riset Kesehatan*. 14(2):252-262.
- Jayaprawira D. 2023. Strategi penatalaksanaan dan pencegahan transfusion associated circulatory overload (TACO): Tinjauan pustaka. *Intisari Sains Medis*. 14(2):568-575.
- Jung JM, Lee DH, Kim KT, Cho YI. 2012. Determination of hematocrit using online conductance cell. *International Journal of Heat and Mass Transfer*. 55(7-8):1836-1843.
- Kamidani R, Miyake T, Okada H, Yoshimura G, Kusuzawa K, Miura T, et al. 2021. Effect of cryoprecipitate transfusion therapy in patients with postpartum hemorrhage: a retrospective cohort study. *Scientific Reports*. 11(1): 18458.
- Kamilah D, Widyaningrum D. 2019. Hubungan jenis packed red cell (PRC) yang ditransfusikan dengan reaksi transfusi febrile non haemolytic transfusion reaction (FNHTR). *Intisari Sains Medika*. 10(1):227-231.
- Karndumri K, Tantiworawit A, Hantrakool S, Fanhchaksai K, Rattarittamrong E, Limsukon A, et al. 2020. Comparison of hemoglobin and hematocrit levels at 1, 4 and 24 h after red blood cell transfusion. *Transfus Apher Sci*. 59(1):102586.
- Kaslam SB, Sukorini U, Triyono T. 2024. Difference in hemoglobin levels 6 hours and 24 hours after packed red cell transfusion. *Indonesian Journal of Clinical Pathology and Medical Laboratory*. 30(2):177-182.
- Kaufman RM, Djulbegovic B, Grnsheimer T, Kleinman S, Tinmouth AT, Capocelli KE, et al. 2015. Platelet transfusion: a clinical practice guideline from the AABB.
- Khawar H, Kelley W, Stevens JB, Guzman N. Fresh frozen plasma [Internet]. Treasure Islands: Statpearls Publishing; 2022. Tersedia dari: <https://pubmed.ncbi.nlm.nih.gov/30020719/>
- Killeen RB, Tambe A. 2024. Acute Anemia [Internet]. StatPearls Publishing. Tersedia dari: <https://www.ncbi.nlm.nih.gov/books/NBK537232/>
- Komaretno R, Riawati D. 2021. Produksi komponen darah packed red cells buffy coat removed (PRC BCR) di UDD PMI Kota Surakarta. *Avicena Journal of Health Research*. 4(1):9-14.
- Li G, Wang S. 2023. Analysis and prediction of hematocrit in microvascular networks. *Internasional Journal of Engineering Science*. 191:103901.
- Lim M, Brown HM, Kind KL, Thompsin JG, Dunning KR. 2019. Hemoglobin: potential roles in the oocyte and early embryo. *Biol Reprod*. 101(2):262-270.

- Lin SY, Hsu WH, Lin CC, Lin CL, Yeh HC, Kao CH, et al. 2019. Association of transfusion with risks of dementia or Alzheimer's disease: A population based cohort study. *Frontiers in Psychiatry*. 10:571-571.
- Linda R, Ninda D. 2018. Difference in changes of hemoglobin between 6-12 hours and 12-14 hours after transfusion. *Indonesian Journal of Clinical Pathology and Medical Laboratory*. 24(2):108-111.
- Liu J, Chen Y, Li R, Wu Z, Xu Q, Li Z, et al. 2021. Intravenous immunoglobulin treatment for patients with severe COVID-19: a retrospective multicentre study. *Clin Microbiol Infect*. 27(10):1488-1493.
- Liu Z, Kmail Z, Higgins M, Stansbury LG, Kunapaisal T, O'Connell KM, et al. 2024. Blood transfusion in injured older adults: A retrospective cohort study. *Transfus Med*. 34(6):506-513.
- Madjid N. 2023. Pengaruh variasi waktu sentrifugasi nilai hematocrit menggunakan mikrohematokrit di Universitas Binawan. *Jurnal Sain Health*. 7(2):51.
- Maharani EA, Noviar G. 2018. *Imunohemologi dan Bank Darah*. Jakarta: Pusat pendidikan Sumber Daya Manusia Kesehatan Kemenkes RI.
- McConville PO, Buehler JM, Moore BA. *Blood Transfusion Pitfalls*. Dalam: Scher CS, Kaye AD, Liu H, Perelman S, Leavitt S, eds. *Essential of blood product management in anesthesia practice*. Springer; 2021.
- Mohi MK, Aggarwal S, Khurana SP. 2020. Role of blood transfusion in saving mothers. *Int J Reprod Contracept Obstet Gynecol*. 9(5):2093-2097.
- Okoroiwu HU, Okafor IM. 2018. Demographic characteristics of blood and blood components transfusion recipients and pattern of blood utilization in a tertiary health institution in southern Nigeria. *BMC Hematology*. 18(1):16-16.
- Paganini M, Rigon F, Rebustello F, Cianci V, Bertozzi I, Randi ML. 2023. Appropriateness of packed red blood cells transfusions in chronic anemic patients in the emergency department: the TRANSFUS-ED retrospective analysis. *Intern Emerg Med*. 18(6):1815-1821.
- Park SY, Seo KS, Karm MH. 2017. Perioperative red blood cell transfusion in orofacial surgery. *J Dent Anesth Pain Med*. 17(3):163-181.
- Pilania RK, Saini SS, Dutta S, Das R, Marwaha N, Kumar P. 2017. Factors affecting efficacy of packed red blood cell transfusion in neonates. *European Journal of Pediatrics*. 176(1):67-74.
- Quinto AM, Fernandez CF, Torreón B, Caso O, Calvo J, Manrique A, et al. 2022. Massive blood transfusion: Risk factors and consequences. *Transplantation*. 106(9):641.
- Quaye IK. 2015. Extracellular hemoglobin: the case of a friend turned foe. *Frontiers in Physiology*. 6:96-96.
- Rabe H. 2019. Packed red cell transfusion changes cerebral oxygenation and cardiac output. *Pediatric Research*. 85:748-749.

- Racines DS, Rodriguez IA, Urrutia G, Garcia DB, Gonzalez SN, Zapata MJM, et al. 2019. Leukodepleted packed red blood cells transfusion in patients undergoing major cardiovascular surgical procedure: Systematic review and meta analysis. *Cardiol Res Pract.* 2019:7543917.
- Rahman A, Mahmood A, Saha S, Sonia FA, Shaheen SSI, Islam K. 2022. Utilization of fresh frozen plasma and cryoprecipitate in factor VIII and factor IX deficient hemophilia patients. *Asian Journal of Medicine and Health.* 20(11):12-19.
- Rahajeng EP, Samad R, Muhiddin R. 2020. Identification of risk factors characteristics of transfusion reaction. *Indonesian Journal of Clinical Pathology and Medical Laboratory.* 26(3):266-271.
- Rizvi I, Gordeuk VR, Molokie R, Zhang X, Allison D, Saraf SL, et al. 2024. Post exchange transfusion hematocrit in sickle cell disease and vaso-occlusive complications. *Journal of Sickle Cell Disease.* 1(1):28-29.
- Sahney T. 2022. Platelet concentration – a newer concept for periodontal regeneration. *Int. J. of Adv. Res.* 10(04):365-371.
- Sari IC. 2023. Differences in hemoglobin levels before and after heavy physical activity. *Masker Medika.* 11(1):42-47.
- Saragih H, Pannyiwi R, Manurung H, Harfika M, Saputra MKF. 2024. pemeriksaan hemoglobin (Hb) kolaborasi Universitas Pertahanan RI dengan PMI Kota Bogor. *Sahabat Sosial.* 2(3):346-352.
- Santo LS, Romano G, Mango E, Iorio F, Savarese L, Numis F, et al. 2017. Age and blood transfusion: relationship and prognostic implications in cardiac surgery. *Journal of Thoracic Disease.* 9(10):3719-3727.
- Sharma RR, Marwaha N. 2010. Leukoreduced blood components: Advantages and strategies for its implementation in developing countries. *Asian J Transfus Sci.* 4(1):3-8.
- Sharma S, Sharma P, Tyler LN. 2011. Transfusion of blood and blood product: indications and complications. *Am Fam Physician.* 83(6):719-24.
- Shashank J, Dinesh B, Reddy AK, Ramesh KV. 2020. An emergency blood transfusion done to stabilize the patient for a surgery. *Int J Curr Microbiol App Sci.* 9(4):2079-2084.
- Skanberg J, Lundholm K, Haglind E. 2007. Effects of blood transfusion with leucocyte depletion on length of hospital stay, respiratory assistance and survival after curative surgery for colorectal cancer. *Acta Oncologica.* 46(8):1123–1130
- Storch EK, Custer BS, Jacobs MR, Menitove JE, Mintz PD. 2019. Revoew of current transfusion therapy and blood banking practice. *Blood Rev.* 38:100593.
- Soetisna TW, Parna DR, Damayanti NMA, Wikantiananda T, Solihin JE, Rianda RA, et al. 2023. Initial thrombocyte concentrate transfusion in woman with chronic immune thrombocytopenia purpura (ITP) who underwent mitral

valve replacement surgery: A case report. *Am J Case Rep.* 19(24):e938752.

- Suehiro K, Joosten A, Alexander B, Cannesson M. 2015. Continuous non-invasive hemoglobin monitoring: ready for prime time? *Current Opinion in Critical Care.* 21(3):265-270.
- Tantri AR, Larasati TA, Rahendra. 2022. Model prediksi kebutuhan transfusi packed red cell perioperative pada operasi tumor tulang. *Jurnal Anestesiologi Indonesia.* 14(2):86-94.
- Takami A. 2018. Guidelines based on scientific evidence for the application of platelet transfusion concentrates. *Rinsho Ketsueki.* 59(10):2349-2353.
- Tekindur S, Yetim M, Kilickaya O. 2016. Risk of transfusion-related acute lung injury after blood products transfusions. *Am J Emerg Med.* 34(8):1674-1675.
- Timilsina S, Karki S, Timalsina S, Gautam A, Sharma S. 2019. Does packed red cell transfusion provide symptomatic benefits to cancer palliative patients? A longitudinal study from a single private oncology center in Nepal. *BMC Palliat Care.* 18:67.
- Tyagi M, Maheswari A, Guaragni B, Motta M. 2022. Use of fresh frozen plasma in newborn infants. *Newborn.* 1(3):271-277.
- Tyagia S, Mutreja P, Bajaj R, Singh D. 2022. Hemoglobin levels estimation using Aspen Hb meter. *IJAPSR.* 2(2):5-8.
- van Hilten JA, van de Watering LMG, van Bockel JH. 2004. Effects of transfusion with red cells filtered to remove leucocytes: randomised controlled trial in patients undergoing major surgery. *BMJ.* 328(7451)
- Wahidiyat PA, Adnani NB. 2016. Transfusi rasional pada anak. *Sari Pediatri.* 18(4):325-331.
- Wahidiyat PA, Marpaung E, Iskandar SD. 2019. Characteristic of acute transfusion reactions and its related factors in Cipto Mangunkusumo Hospital Jakarta, Indonesia. *Health Science Journal of Indonesia.* 10(1):15-20.
- Wahidiyat PA, Iskandar SD. 2018. The importance of maintaining high pre transfusion hemoglobin level in Thalasemia major patients. *e Journal Kedokteran Indonesia.* 6(3):197-200.
- Wiesien AR, Hospenthal DR, Byrd JC, Glass KL, Howard RS, Diehl LF, et al. 2024. Equilibration of hemoglobin concentration after transfusion in medical inpatients not actively bleeding. *Annals of Internal Medicine.* 121(4):278-280.
- Yawn BP, Buchanan GR, Afeniyi-Annan AN, Ballas SK, Hassell KL, James AH. 2014. Management of sickle cell disease: summary of the 2014 evidence-based report by expert panel members. *JAMA.* 312(10):1033-48.