

## DAFTAR PUSTAKA

- AABB/ARC/ABC/ASBP. 2009. *Circular of Information for the Use of Human Blood and Blood Components*. AABB.
- Adamson, J.W. 2008. The anemia of inflammation/malignancy: mechanisms and management. *Hematol Am Soc Hematol Educ Program*, 159–165.
- Ahmed, A.A. and Abedalthagafi, M. 2016. Cancer diagnostics: The journey from histomorphology to molecular profiling. *Oncotarget*, 7(36): 58696-58708.
- Alam, A., Lin, Y., Lima, A., Hansen, M., Callum, J.L. 2013. The prevention of transfusion-associated circulatory overload. *Transfus Med Rev*, 27(2): 105–112.
- Aldoss, I.T., Wilson, S., Silberstein, P.T. 2008. Chemotherapy-induced Anaemia. *Asia-Pacific Oncology & Hematology*, 1(1): 24–26.
- Androne, A.S., Katz, S.D., Lund, L., LaManca, J., Hudaihed, A., Hryniewicz, K., et al. 2003. Hemodilution Is Common in Patients With Advanced Heart Failure. *Circulation*, 107(2): 226-229.
- Antonelou, M.H. and Seghatchian, J. 2016. Insights into red blood cell storage lesion: Toward a new appreciation. *Transfus Apher Sci*, 55(3): 292-301.
- Audu, L.I., Otuneye, A.T., Mairami, A.B., Mshelia, L.J., Nwatah, V.E. 2015. Posttransfusion Haematocrit Equilibration: Timing Posttransfusion Haematocrit Check in Neonates at the National Hospital, Abuja, Nigeria. *Int J Pediatr*, 2015: 175867.
- Birgegård, G., Aapro, M.S., Bokemeyer, C., Dicato, M., Drings, P., Hornedo, J., et al. 2005. Cancer-related anemia: pathogenesis, prevalence and treatment. *Oncology*, 68: Suppl 1: 3-11.
- Bohlius, J., Weingart, O., Trelle, S., Engert, A. 2006. Cancer-related anemia and recombinant human erythropoietin—an updated overview. *Nat Clin Pract Oncol*, 3: 152-164.
- Brown, E., Hurlow, A., Rahamn, A., Coss, S.J., Bennet, M.I. 2010. Assessment of fatigue after blood transfusion in palliative care patients: a feasibility study. *J Palliat Med*, 13: 1327-1330.
- Brugnara, C., Oski, F.A., Nathan, D.G. 2009. Diagnostic Approach to the Anemic Patient. In: Orkin, S.H., Nathan, D.G., Ginsburg, D., et al, editors, *Nathan and Oski's Hematology of Infancy and Childhood*. 7<sup>th</sup> ed., Saunders, Philadelphia, pp.455-466.
- Butterworth, J.F., Mackey, D.C., Wasnick, J.D. 2013. *Morgan and Mikhail's Clinical Anesthesiology*. 5<sup>th</sup> ed., McGraw Hill, New York.
- Caro, J.J., Salas, M., Ward, A., Goss, G. 2001. Anemia as an independent prognostic factor for survival in patients with cancer: a systemic, quantitative review. *Cancer*, 91: 2214–2221.
- Carson, J.L., Guyatt, G., Heddle, N.M., Grossman, B.J., Cohn, C.S., Fung, M.K., et al. 2016. Clinical practice guidelines from the AABB: red blood cell transfusion thresholds and storage. *JAMA*, 316: 2025–2035.
- Chakraborty, S., Keenportz, B., Woodward, S., Anderson, J., Colan, D. 2015. Paraneoplastic Leukemoid Reaction in Solid Tumors. *Am J Clin Oncol*, 38: 326–330.

- Connell, N.T. 2016. Transfusion Medicine. *Prim Care Clin Office Pract*, 43(4): 651-659.
- Crawford, J., Cella, D., Cleeland, C.S., Cremieux, P.Y., Demetri, G.D., Sarokhan, B.J., et al. 2002. Relationship between changes in hemoglobin level and quality of life during chemotherapy in anemic cancer patients receiving epoetin alfa therapy. *Cancer*, 95: 888-895.
- Dahlan, M.S. 2016. *Besar Sampel dalam Penelitian Kedokteran dan Kesehatan*. 4<sup>th</sup> ed., Epidemiologi Indonesia, Jakarta.
- Davenport, R.D. 2009. Hemolytic transfusion reactions. In: Simon, L., Snyder, E.L., Solheim, B.G., Stowell, R.G., Strauss, R.G., Petrides, M., editors, *Rossi's Principles of Transfusion Medicine*. 4<sup>th</sup> ed, AABB, Bethesda, pp.811-825.
- Davenport, R.D. and Mintz, P.D. 2011. Transfusion Medicine. In: McPherson, R.A., Pincus, M.R., editors, *Henry's Clinical Diagnosis and Management by Laboratory Methods*. 22<sup>nd</sup> ed., Saunders, Philadelphia, pp.731-745.
- Dhaliwal, G., Cornett, P.A., Tierney, L.M. 2004. Hemolytic Anemia. *Am Fam Physician*, 69: 2599-2606.
- Dicato, M., Plawny, L., Diederich, M. 2010. Anemia in Cancer. *Annals of Oncology*, 21: Suppl 7: 167-172.
- Dunn, A., Carter, J., Carter, H. 2003. Anemia at the end of life: prevalence, significance and causes in patients receiving palliative care. *J Pain Symptom Manage*, 26: 1132-1139.
- Elghetany, M.T. and Banki, K. 2011. Erythrocytic Disorders. In: McPherson, R.A., Pincus, M.R., editors, *Henry's Clinical Diagnosis and Management by Laboratory Methods*. 22<sup>nd</sup> ed., Saunders, Philadelphia, pp.557-600.
- Elizalde, J.I., Clemente, J., Marin, J.L., Panés, J., Aragón, 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): 573-576.
- Elmakky, E. 2012. Hypersplenism: Review article. *Journal of Biology, Agriculture and Healthcare*, 2(10): 89-99.
- Elzik, M.E., Dirschl, D.R., Dahners, L.E. 2006. Correlation of Transfusion Volume to Change in Hematocrit. *Am J Hematol*, 81(2): 145-146.
- Eren, H. 2005. Calibration Process. In: Sydenham, P.H., Thorn, R., editors. *Handbook of Measuring System Design*. John Wiley & Sons, Hoboken, pp.271-277.
- Flegel, W.A. 2015. Pathogenesis and mechanisms of antibody-mediated hemolysis. *Transfusion*, 55: 47-58.
- Fry, J., Arnold, D., Clase, C., Crowther, M., Holbrook, A.M., Traore, A.N., et al. 2010. Transfusion premedication to prevent acute transfusion reactions: a retrospective observational study to assess current practices. *Transfusion*, 50(8): 1722-1730.
- Gillespie, T.W. 2003. Anemia in cancer: therapeutic implications and interventions. *Cancer Nurs*, 26(2): 119-128.
- Glatstein, M., Oron, T., Barak, M., Mimouni, F.B., Dollberg, S. 2005. Posttransfusion equilibration of hematocrit in hemodynamically stable neonates. *Pediatr Crit Care Med*, 6(6): 707-708.

- Goodnough, L.T. 2005. Risks of blood transfusion. *Anesthesiol Clin North Am*, 23: 241–252.
- Herdson, P.B. 2003. *Year Book of Pathology and Laboratory Medicine*. Elsevier, Philadelphia, pp.93.
- Hoque, M.M., Adnan, S.D., Karim, S., Al Mamun, M.A., Nandy, S., Faruki, M.A., et al. 2014. Equilibration and increase of hemoglobin concentration after one unit whole blood transfusion among patients not actively bleeding. *J Dhaka Med Coll*, 23(2): 161-166.
- Hunsicker, O., Hessler, K., Krannich, A., Boemke, W., Braicu, I., Sehouli, J., et al. 2018. Duration of storage influences the hemoglobin rising effect of red blood cells in patients undergoing major abdominal surgery. *Transfusion*, 58(8): 1870-1880.
- Jelkmann, W. 2010. Biosimilar epoetins and other “follow-on” biologics: update on the European experiences. *Am J Hematol*, 85: 771–780.
- Kader, A.S., Lim, J.T., Berthelet, E., Petersen, R., Ludgate, D., Truong, P.T. 2007. Prognostic significance of blood transfusions in patients with esophageal cancer treated with combined chemoradiotherapy. *Am J Clin Oncol*, 30: 492–497.
- Karafin, M.S., Bruhn, R., Roubinian, N.H., Chowdhury, D., Qu, L., Snyder, E.L., et al. 2019. The impact of recipient factors on the lower-than-expected hemoglobin increment in transfused outpatients with hematologic diseases. *Transfusion*, 00: 1–7.
- Karndumri, K., Tantiworawit, A., Hantrakool, S., Fanhchaksai, K., Rattarittamrong, E., Limsukon, A., et al. 2019. Comparison of hemoglobin and hematocrit levels at 1, 4 and 24 h after red blood cell transfusion. *Transfus Apher Sci*, 59(1): 102586.
- Khorana, A.A., Francis, C.W., Blumberg, N., Culakova, E., Refaai, M.A., Lyman, G.H. 2008. Blood transfusions, thrombosis, and mortality in hospitalized patients with cancer. *Arch Intern Med*, 168: 2377–2381.
- Knight, K., Wade, S., Balducci, L. 2004. Prevalence and outcomes of anemia in cancer: a systematic review of the literature. *Am J Med*, 116: Suppl 7A: 11-26.
- Küçüköner, M., Kaplan, M.A., Inal, A., Isikdogan, A., Firat, U., Önder, A., et al. 2012. Approach to hypersplenism due to splenic metastasis of breast cancer: A case report. *Dicle Tip Derg / Dicle Med J*, 39(1): 117-120.
- Kumar, V., Abbas, A., Aster, J. 2015. *Robbins and Cotran Pathologic Basis of Disease*. 9<sup>th</sup> ed., Elsevier, Philadelphia.
- Kurtin, S. 2012. Myeloid Toxicity of Cancer Treatment. *J Adv Pr Oncol*, 3(4): 209-224.
- Lee, J.H., Kim, D.H., Kim, K., Rhee, J.E., Kim, T.Y., Jo, Y.H., et al. 2010. Predicting Change of Hemoglobin After Transfusion in Hemodynamically Stable Anemic Patients in Emergency Department. *J Trauma*, 68(2): 337-341.
- Lestari, A.A.W., Triyono, T., Sukorini, U. 2017. Quality of Stored Red Blood. *Indonesian Journal of Clinical Pathology and Medical Laboratory*, 23(3): 294-302.

- Li, J., Pan, Z., Liu, H., Ding, F., Shu, Q., Li, X. 2018. Retrospective analysis of the risk of hemorrhage associated with moderate and severe thrombocytopenia of 173 patients with systemic lupus erythematosus. *Medicine*, 97: 27.
- Liumbruno, G., Bennardello, F., Lattanzio, A., Piccoli, P., Rossetti, G. 2009. Recommendations for the transfusion of red blood cells. *Blood Transfus*, 7: 49-64.
- Ludwig, H., Van Belle, S., Barrett-Lee, P., Birgegård, G., Bokemeyer, C., Gascón, P., et al. 2004. The European Cancer Anaemia Survey (ECAS): a large, multinational, prospective survey defining the prevalence, incidence, and treatment of anaemia in cancer patients. *Eur J Cancer*, 40: 2293–2306.
- Lyman, G. and Glaspy, J. 2006. Advances in the Management of Chemotherapy-Induced Anemia and Its Treatment. *Oncol J*, 20(8): 1517–1525.
- Madeddu, C., Gramignano, G., Astara, G., Demontis, R., Sanna, E., Atzeni, V., et al. 2018. Pathogenesis and Treatment Options of Cancer Related Anemia: Perspective for a Targeted Mechanism-Based Approach. *Front Physiol*, 9: 1294.
- Madeddu, C., Gramignano, G., Kotsonis, P., Coghe, F., Atzeni, V., Scartozzi, M., et al. 2018. Microenvironmental M1 tumor-associated macrophage polarization influences cancer-related anemia in advanced ovarian cancer: key role of Interleukin-6. *Haematologica*, 103(9): 388-391.
- Mais, D.D. 2009. Hematopathology. *ASCP Quick Compendium of Clinical Pathology*. 2<sup>nd</sup> ed., American Society for Clinical Pathology, Chicago, pp.242-320.
- Man, L. and Tahhan, H.R. 2016. Body surface area: a predictor of response to red blood cell transfusion. *J Blood Med*, 7: 199–204.
- Mansjoer, A. and George, Y.W.H. 2008. Pathophysiology of Critical Ill Patients: Focus on Critical Oxygen Delivery. *Acta Med Indones*, 40(3): 161–170.
- Means, R.T. and Glader, B. 2009. Disorders of Red Cells. In: Greer, J.P., Foester, J., Rodgers, G.M., et al, editors, *Wintrobe's Clinical Hematology*. 12<sup>th</sup> ed., Lippincott Williams & Wilkins, Philadelphia.
- Mercadante, S., Ferrara, P., Villari, P., David, F., Giarratano, A., Riina, S. 2009. Effects of red blood transfusion on anemia-related symptoms in patients with cancer. *J Palliat Med*, 12: 60–63.
- Miller, Y., Bachowski, G., Benjamin, R., Eklund, D.K., Hibbard, A.J., Lightfoot, T., et al. 2007. *Practice guidelines for blood transfusion: a compilation from recent peer-reviewed literature*. 2<sup>nd</sup> ed., American National Red Cross, Washington.
- Mungayi, V., Sharif, T., Odaba, D.S. 2014. Blood transfusion and oxygen extraction ratio in patients admitted to the general intensive care unit: A quasi experimental study. *African Journal of Emergency Medicine*, 4(2): 66–70.
- Pagana, K.D., Pagana, T.J., Pagana, T.N. 2019. *Mosby's Diagnostic & Laboratory Test Reference*. 14<sup>th</sup> ed, Elsevier, St. Louis.
- Pan, S.T., Tseng, S.P., Wang, C.H., Chou, Y.T. 2021. Paraneoplastic Leukemoid Reaction after Primary Resection in Patients With Urothelial Carcinoma: A Report of 2 Cases. *Clin Pathol*, 14: 1-5.

- Pilania, R.K., Saini, S.S., Dutta, S., Das, R., Marwaha, N., Kumar, P. 2017. Factors affecting efficacy of packed red blood cell transfusion in neonates. *Eur J Pediatr*, 176(1): 67-74.
- Polyak, K. and Meyerson, M. 2003. Molecular Biology, Genomics and Proteonomics. *Holland-Frei Cancer Medicine*. 6<sup>th</sup> ed., BC, Hamilton.
- Popovsky, M.A., Robillard, P., Schipperus, M., Stainsby, D., Tissot, J.D., Wiersum, J. 2011. *ISBT Working Party on Haemovigilance*. International Haemovigilance Network.
- Preston, N.J., Hurlow, A., Brine, J., Bennett, M.I. 2012. Blood transfusions for anaemia in patients with advanced cancer. *Cochrane Database Syst Rev*, 2012(2): CD009007.
- Rajkomar, A., McCulloch, C.E., Fang, M.C. 2016. The Low Diagnostic Utility of Rechecking Hemoglobins within 24 Hours in Hospitalized Patients. *Am J Med*, 129(11): 1194–1197.
- Reikvam, H., Prowse, C., Roddie, H., Heddle, N.M., Hervig, T.A. 2010. A pilot study of the possibility and the feasibility of haemoglobin dosing with red blood cells transfusion. *Vox Sanguinis*, 99: 71–76.
- Rizzo, J.D., Brouwers, M., Hurley, P., Seidenfeld, J., Arcasoy, M.O., Spivak, J.L., et al. 2010. American Society of Hematology/American Society of Clinical Oncology clinical practice guideline update on the use of epoetin and darbepoetin in adult patients with cancer. *Blood*, 116: 4045–4059.
- Rodgers, G.M., Gilreath, J.A., Achebe, M.M., Alwan, L., Arcasoy, M., Ali Beth, S., et al. 2017. *Cancer- and Chemotherapy-Induced Anemia*. NCCN Guidelines Version 2.2018.
- Roussel, C., Buffet, P.A., Amireault, P. 2018. Measuring Post-transfusion Recovery and Survival of Red Blood Cells: Strength and Weaknesses of Chromium-51 Labelling and Alternative Methods. *Front Med*, 5(130): 1-8.
- Ryan, D.H. 2010. Examination of Blood Cells. In: Lichtman, M.A., Kipps, T.J., Seligsohn, U., et al, editors, *Williams Hematology*. 8<sup>th</sup> ed., The McGraw-Hill Companies, New York.
- Sahin, I., Reagan, J.L., Niroula, R., Sweeney, J.D. 2018. Refractoriness to red blood cell transfusion therapy due to hypersplenism. *Transfusion*, 58(11): 2513-2516.
- Sardinha, L.B., Silva, A.M., Minderico, C.S., Teixeira, P.J. 2006. Effect of body surface area calculations on body fat estimates in non-obese and obese subjects. *Physiol Meas*, 27(11): 1197–1209.
- Saugel, B., Klein, M., Hapfelmeier, A., Phillip, V., Schultheiss, C., Meidert, A.S., et al. 2013. Effects of red blood cell transfusion on hemodynamic parameters: a prospective study in intensive care unit patients. *Scand J Trauma Resusc Emerg Med*, 21: 21.
- Schaer, D.J., Vinchi, F., Ingoglia, G., Tolosano, E., Buehler, P.W. 2014. Haptoglobin, hemopexin, and related defense pathways-basic science, clinical perspectives, and drug development. *Front Physiol*, 5: 415.
- Schrijvers, D. 2011. Management of Anemia in Cancer Patients: Transfusions. *Oncologist*, 16: Suppl 3: 12-18.



- Schwartz, R.N. 2007. Anemia in patients with cancer: incidence, causes, impact, management, and use of treatment guidelines and protocols. *Am J Health Syst. Pharm*, 64(3 Suppl 2): 5-13.
- Sharma, S., Sharma, P., Tyler L.N. 2011. Transfusion of Blood and Blood Products: Indications and Complications. *Am Fam Physician*, 83(6): 719-724.
- Skeate, R.C. and Eastlund, T. 2007. Distinguishing between transfusion related acute lung injury and transfusion associated circulatory overload. *Curr Opin Hematol*, 14(6): 682-687.
- Spivak, J.L. 2000. The blood in systemic disorders. *Lancet*, 355: 1707-1712.
- Spivak, J.L. 2005. The anaemia of cancer: death by a thousand cuts. *Nat Rev Cancer*, 5: 543-555.
- Sung, H., Ferlay, J., Siegel, R.L., Laversanne, M., Soerjomataram, I., Jemal, A., et al. 2021. Global Cancer Statistics 2020 : GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries. *CA Cancer J Clin*, 71: 209-249.
- Tanneberger, S., Melilli, G., Strocchi, E., Frenquelli, C., Pannuti, Q.F. 2004. Use of red blood cell transfusion in palliative care services: it is still up to date or is cancer-related anemia controlled better with erythropoietic agents? *Ann Oncol*, 15: 839-844.
- Toy, P., Popovsky, M.A., Abraham, E., Ambruso, D.R., Holness, L.G., Kopko, P.M., et al. 2005. Transfusion-related acute lung injury: definition and review. *Crit Care Med*, 33: 721-726.
- Vajpayee, N., Graham, S.S., Bem, S. 2011. Basic Examination of Blood and Bone Marrow. In: McPherson, R.A., Pincus, M.R., editors, *Henry's Clinical Diagnosis and Management by Laboratory Methods*. 22<sup>nd</sup> ed, Saunders, Philadelphia, pp.509-535.
- van Zwieten, R., Verhoeven, V.J., Roos, D. 2013. Inborn defects in the anti-oxidant systems of human red blood cells. *Free Radic Biol Med*, 67: 377-386.
- Verbraecken, J., Van de Heyning, P., De Backer, W., Van Gaal, L. 2006. Body surface area in normal-weight, overweight, and obese adults. A comparison study. *Metabolism*, 55(4): 515-524.
- Watkins, T., Surowiecka, M.K., McCullough, J. 2015. Transfusion Indications for Patients With Cancer. *Cancer Control*, 22(1): 38-46.
- Weiss, G. and Goodnough, L.T. 2005. Anemia of chronic disease. *N Engl J Med*, 352: 1011-1023.
- Wiesen, A.R., Hospenthal, D.R., Byrd, J.C., Glass, K.L., Howard, R.S., Diehl, L.F. 1994. Equilibration of hemoglobin concentration after transfusion in medical inpatients not actively bleeding. *Ann Intern Med*, 121(4): 278-280.
- Wright, S.E., Pearce, B., Snowden, C.P., Anderson, H., Wallis, J.P. 2014. Cardiopulmonary exercise testing before and after blood transfusion: a prospective clinical study. *Br J Anaesth*, 113(1): 91-96.