

REFERENCES

- Osterman JL, Arora S: Blood product transfusions and reactions. *Emerg Med Clin North Am* 32: 727, 2014. [PMID: 25060259]
- http://www.jointcommission.org/assets/1/6/pbm_implementation_guide_20110624.pdf. (The Joint Commission: Implementation Guide for the Joint Commission Patient Blood Management Performance Measures 2011.) Accessed November 22, 2014.
- Torpy JM, Cassio L, Golub RM: JAMA patient page. Blood transfusion. *JAMA* 307: 2448, 2012. [PMID: 22692180]
- Murphy MF, Stanworth SJ, Yazer M: Transfusion practice and safety: current status and possibilities for improvement. *Vox Sanguinis* 100: 46, 2011. [PMID: 21175655]
- Carson JL, Carless PA, Hebert PC: Transfusion thresholds and other strategies for guiding allogeneic red blood cell transfusion. *Cochrane Database Syst Rev* 4: CD002042, 2012. [PMID: 22513904]
- Carson JL, Grossman BJ, Kleinman S, et al: Red blood cell transfusion: a clinical practice guideline from the AABB. *Ann Intern Med* 157: 49, 2012. [PMID: 22751760]
- Goodnough LT, Levy JH, Murphy MF: Concepts of blood transfusion in adults. *Lancet* 381: 1845, 2013. [PMID: 23706801]
- Wang J, Bao YX, Bai M, Zhang YG, Xu WD, Qi XS: Restrictive vs liberal transfusion for upper gastrointestinal bleeding: a meta-analysis of randomized controlled trials. *World J Gastroenterol* 19: 6919, 2013. [PMID: 24187470]
- Salpeter SR, Buckley JS, Chatterjee S: Impact of more restrictive blood transfusion strategies on clinical outcomes: a meta-analysis and systematic review. *Am J Med* 127: 124, 2014. [PMID: 24331453]
- McIntyre L, Timmouth AT, Fergusson DA: Blood component transfusion in critically ill patients. *Curr Opin Crit Care* 19: 326, 2013. [PMID: 23817027]
- Hogshire L, Carson JL: Red blood cell transfusion: what is the evidence when to transfuse? *Curr Opin Hematol* 20: 546, 2013. [PMID: 23945271]
- Murphy MF, Waters JH, Wood EM, Yazer MH: Transfusing blood safely and appropriately. *BMJ* 347: f4303, 2013. [Erratum in: *BMJ* 347: f4799, 2013.] [PMID: 23861410]
- Szczepiorkowski ZM, Dunbar NM: Transfusion guidelines: when to transfuse. *Hematology Am Soc Hematol Educ Program* 2013: 638, 2013. [PMID: 24319244]
- Lacroix J, Demaret P, Tucci M: Red blood cell transfusion: decision making in pediatric intensive care units. *Semin Perinatol* 36: 225, 2012. [PMID: 22818542]
- Dellinger RP, Levy MM, Carlet JM, et al: Surviving Sepsis Campaign: international guidelines for management of severe sepsis and septic shock: 2008. *Crit Care Med* 36: 296, 2007. [PMID: 18158437]
- <http://www.fda.gov/downloads/BiologicsBloodVaccines/GuidanceComplianceRegulatoryInformation/Guidances/Blood/UCM364593.pdf>. (The U.S. Food and Drug Administration, American Association of Blood Banks, American Red Cross, America's Blood Centers, Armed Services Blood Program: Guidance for industry: circular of information for the use of human blood and blood components. April 2014.) Accessed November 22, 2014.
- Nessen SC, Eastridge BJ, Cronk D, et al: Fresh whole blood use by forward surgical teams in Afghanistan is associated with improved survival compared to component therapy without platelets. *Transfusion* 53 (Suppl 1): 107S, 2013. [PMID: 23301962]
- Zink KA, Sambasivan CN, Holcomb JB, Chisholm G, Schreiber MA: A high ratio of plasma and platelets to packed red blood cells in the first 6 hours of massive transfusion improves outcomes in a large multicenter study. *Am J Surg* 197: 565, 2009. [PMID: 19393349]
- Cotton BA, Au BK, Nunez TC, et al: Predefined massive transfusion protocols are associated with a reduction in organ failure and post-injury complications. *J Trauma* 66: 41, 2009. [PMID: 19131804]
- Neal MD, Marsh A, Marino R, et al: Massive transfusion: an evidence-based review of recent developments. *Arch Surg* 147: 563, 2012. [PMID: 22786545]
- Mitra B, O'Reilly G, Cameron PA, Zatta A, Gruen RL: Effectiveness of massive transfusion protocols on mortality in trauma: a systematic review and meta-analysis. *ANZ J Surg* 83: 918, 2013. [PMID: 24147731]
- Hayter MA, Pavenski K, Baker J: Massive transfusion in the trauma patient: continuing professional development. *Can J Anaesth* 59: 1130, 2012. [PMID: 23076727]
- Lal DS, Shaz BH: Massive transfusion: blood component ratios. *Curr Opin Hematol* 20: 521, 2013. [PMID: 24104413]
- Pham HP, Shaz BH: Update on massive transfusion. *Br J Anaesth* 111 (Suppl 1): i71, 2013. [PMID: 24335401]
- Marwaha N, Sharma RR: Consensus and controversies in platelet transfusion. *Transfus Apher Sci* 41: 127, 2009. [PMID: 19717344]
- Holbro A, Infanti L, Sigle J, Buser A: Platelet transfusion: basic aspects. *Swiss Med Wkly* 13: 143, 2013. [PMID: 24338781]
- Hogshire LC, Patel MS, Rivera E, Carson JL: Evidence review: periprocedural use of blood products. *J Hosp Med* 8: 647, 2013. [PMID: 24124069]
- Lieberman L, Bercovitz RS, Sholapur NS, Heddle NM, Stanworth SJ, Arnold DM: Platelet transfusions for critically ill patients with thrombocytopenia. *Blood* 123: 1146, 2014. [PMID: 24335233]
- Benjamin RJ, Swinton McLaughlin L: Plasma components: properties, differences, and uses. *Transfusion* 52: 9S, 2012. [PMID: 22578375]
- Puetz J: Fresh frozen plasma: the most commonly prescribed hemostatic agent. *J Thromb Haemost* 11: 1794, 2013. [PMID: 23848285]
- Peacock WF, Gearhart MM, Mills RM: Emergency management of bleeding associated with old and new oral anticoagulants. *Clin Cardiol* 35: 730, 2012. [PMID: 22811404]
- Hunt BJ: Bleeding and coagulopathies in critical care. *N Engl J Med* 370: 847, 2014. [PMID: 24571757]
- Abdel-Wahab OI, Healy B, Dzik WH: Effect of fresh-frozen plasma transfusion on prothrombin time and bleeding in patients with mild coagulation abnormalities. *Transfusion* 46: 1279, 2006. [PMID: 16934060]
- Le Roux P, Pollack CV Jr, Milan M, Schaefer A: Race against the clock: overcoming challenges in the management of anticoagulant-associated intracerebral hemorrhage. *J Neurosurg* 121 (Suppl): 1, 2014. [PMID: 25081496]
- Grabau CM, Crago SF, Hoff LK, et al: Performance standards for therapeutic abdominal paracentesis. *Hepatology* 40: 484, 2004. [PMID: 15368454]
- Vieira da Rocha EC, D'Amico AE, Caldwell SH, et al: A prospective study of conventional and expanded coagulation indices in predicting ulcer bleeding after variceal band ligation. *Clin Gastroenterol Hepatol* 7: 988, 2009. [PMID: 19410018]
- Gower RG, Lumry WR, Davis-Lorton MA, Johnston DT, Busse PJ: Current options for prophylactic treatment of hereditary angioedema in the United States: patient-based considerations. *Allergy Asthma Proc* 33: 235, 2012. [PMID: 22584192]
- Longhurst H, Cicardi M: Hereditary angio-oedema. *Lancet* 379: 474, 2012. [PMID: 22305226]
- Coppo P, Veyradier A: Current management and therapeutical perspectives in thrombotic thrombocytopenic purpura. *Presse Med* 41: e163, 2012. [PMID: 22265954]
- Nguyen TC, Kiss JE, Goldman JR, Carcillo JA: The role of plasmapheresis in critical illness. *Crit Care Clin* 28: 453, 2012. [PMID: 22713617]
- Callum JL, Karkouti K, Lin Y: Cryoprecipitate: the current state of knowledge. *Transfus Med Rev* 23: 177, 2009. [PMID: 19539873]
- Yang L, Stanworth S, Baglin T: Cryoprecipitate: an outmoded treatment? *Transfus Med* 22: 315, 2012. [PMID: 22994448]
- Nascimento B, Goodnough LT, Levy JH: Cryoprecipitate therapy. *Br J Anaesth* 113: 922, 2014. [PMID: 24972790]
- Franchini M, Lippi G: Fibrinogen replacement therapy: a critical review of the literature. *Blood Transfus* 10: 23, 2012. [PMID: 22153684]
- Lunde J, Stensballe J, Wikkelso A, Johansen M, Afshari A: Fibrinogen concentrate for bleeding—a systematic review. *Acta Anaesthesiol Scand* 58: 1061, 2014. [PMID: 25059813]
- Levy JH, Welsby I, Goodnough LT: Fibrinogen as a therapeutic target for bleeding: a review of critical levels and replacement therapy. *Transfusion* 54: 1389, 2014. [PMID: 24117955]
- Franchini M, Lippi G: Prothrombin complex concentrates: an update. *Blood Transfus* 8: 149, 2010. [PMID: 20671873]
- Sarode R, Milling TJ Jr, Refaai MA, et al: Efficacy and safety of a 4-factor prothrombin complex concentrate in patients on vitamin K antagonists presenting with major bleeding: a randomized, plasma-controlled, phase IIIb study. *Circulation* 128: 1234, 2013. [PMID: 23935011]
- Frumkin K: Rapid reversal of warfarin-associated hemorrhage in the emergency department by prothrombin complex concentrates. *Ann Emerg Med* 62: 616, 2013. [PMID: 23829955]
- Voils SA, Baird B: Systematic review: 3-factor versus 4-factor prothrombin complex concentrate for warfarin reversal: does it matter? *Thromb Res* 130: 833, 2012. [PMID: 23137921]
- Ferreira J, DeLosSantos M: The clinical use of prothrombin complex concentrate. *J Emerg Med* 44: 1201, 2013. [PMID: 23602147]
- Eerenberg ES, Kamphuisen PW, Sijkens MK, et al: Reversal of rivaroxaban and dabigatran by prothrombin complex concentrate: a randomized, placebo-controlled, crossover study in healthy subjects. *Circulation* 124: 1573, 2011. [PMID: 21900088]
- Miesbach W, Seifried E: New direct oral anticoagulants: current therapeutic options and treatment recommendations for bleeding complications. *Thromb Haemost* 108: 625, 2012. [PMID: 22782297]
- Yank V, Tuohy CV, Logan AC, et al: Systematic review: benefits and harms of in-hospital use of recombinant factor VIIa for off-label indications. *Ann Intern Med* 154: 529, 2011. [PMID: 21502651]
- Lin Y, Stanworth S, Birchall J, Doree C, Hyde C: Use of recombinant factor VIIa for the prevention and treatment of bleeding in patients without hemophilia: a systematic review and meta-analysis. *CMAJ* 183: E9, 2011. [PMID: 21078742]
- Simpson E, Lin Y, Stanworth S, Birchall J, Doree C, Hyde C: Recombinant factor VIIa for the prevention and treatment of bleeding in patients without haemophilia. *Cochrane Database Syst Rev* 3: CD005011, 2012. [PMID: 22419303]
- Lin Y, Moltzan CJ, Anderson DR: The evidence for the use of recombinant factor VIIa in massive bleeding: revision of the transfusion policy framework. *Transfus Med* 22: 383, 2012. [PMID: 22630348]
- Dutta TK, Verma SP: Rational use of recombinant Factor VIIa in clinical practice. *Indian J Hematol Blood Transfus* 30: 85, 2014. [PMID: 24839361]
- Refaai MA, Blumberg N: The transfusion dilemma—weighing the known and newly proposed risks of blood transfusions against the uncertain benefits. *Best Pract Res Clin Anaesthesiol* 27: 17, 2013. [PMID: 23590913]
- Bolton-Maggs PH, Cohen H: Serious Hazards of Transfusion (SHOT) haemovigilance and progress is improving transfusion safety. *Br J Haematol* 163: 303, 2013. [PMID: 24032719]
- Fry JL, Arnold DM, Clase CM, et al: Transfusion premedication to prevent acute transfusion reactions: a retrospective observational study to assess current practices. *Transfusion* 50: 1722, 2010. [PMID: 20345566]

62. Tobian AA, King KE, Ness PM: Prevention of febrile nonhemolytic and allergic transfusion reactions with pretransfusion medication: is this evidence-based medicine? *Transfusion* 48: 2274, 2008. [PMID: 19054374]
63. Martí-Carvajal AJ, Solà I, González LE, Leon de Gonzalez G, Rodríguez-Malagon N: Pharmacological interventions for the prevention of allergic and febrile non-haemolytic transfusion reactions. *Cochrane Database Syst Rev* 6: CD007539, 2010. [PMID: 20556779]
64. Hendrickson JE, Hillyer CD: Noninfectious serious hazards of transfusion. *Anesth Analg* 108: 759, 2009. [PMID: 19224780]
65. Pandey S, Vyas GN: Adverse effects of plasma transfusion. *Transfusion* 52 (Suppl 1): 65S, 2012. [PMID: 22578374]
66. Hirayama F: Current understanding of allergic transfusion reactions: incidence, pathogenesis, laboratory tests, prevention, and treatment. *Br J Haematol* 160: 434, 2013. [PMID: 23215650]
67. Wright-Kanuth MS, Smith LA: Transfusion-transmitted viruses. *Clin Lab Sci* 16: 221, 2003. [PMID: 14626440]
68. Allain JP, Stramer SL, Carneiro-Proietti AB, et al: Transfusion-transmitted infectious diseases. *Biologicals* 37: 71, 2009. [PMID: 19231236]
69. Lindholm PF, Anen K, Ramsey G: Approaches to minimize infection risk in blood banking and transfusion practice. *Infect Disord Drug Targets* 11: 45, 2011. [PMID: 21303341]
70. Dodd RY: Emerging pathogens and their implications for the blood supply and transfusion transmitted infections. *Br J Haematol* 159: 135, 2012. [PMID: 22924410]
71. Triulzi DJ: Transfusion-related acute lung injury: current concepts for the clinician. *Anesth Analg* 108: 770, 2009. [PMID: 19224781]
72. Sayah DM, Looney MR, Toy P: Transfusion reactions newer concepts on the pathophysiology, incidence, treatment, and prevention of transfusion-related acute lung injury. *Crit Care Clin* 28: 363, 2012. [PMID: 22713611]