

Spodcast - Prehospital Transfusion

Seizoen 3
8-2023

Referenties

1. Rijnhout TWH, Wever KE, Marinus RHAR, Hoogerwerf N, Geeraedts LMG, Tan ECTH: Is prehospital blood transfusion effective and safe in haemorrhagic trauma patients? A systematic review and meta-analysis. *Inj Int J Care Inj* 2019; 50:1017–27
2. Shand S, Curtis K, Dinh M, Burns B: What is the impact of prehospital blood product administration for patients with catastrophic haemorrhage : an integrative review. *Injury* 2019; 50:226–34
3. Smith IM, James RH, Dretzke J, Midwinter MJ: Prehospital Blood Product Resuscitation for Trauma: A Systematic Review. *Shock* 2016; 46:3–16
4. Sperry JL, Guyette FX, Brown JB, Yazer MH, Triulzi DJ, Early-Young BJ, Adams PW, Daley BJ, Miller RS, Harbrecht BG, Claridge JA, Phelan HA, Witham WR, Putnam AT, Duane TM, Alarcon LH, Callaway CW, Zuckerbraun BS, Neal MD, Rosengart MR, Forsythe RM, Billiar TR, Yealy DM, Peitzman AB: Prehospital Plasma during Air Medical Transport in Trauma Patients at Risk for Hemorrhagic Shock. *N Engl J Med* 2018; 379:315–26
5. Holcomb JB, Swartz MD, Desantis SM, Thomas J, Fox EE, Stein DM, Bulger EM, Kerby JD, Goodman M, Schreiber MA, Martin D, O’Keeffe T, Inaba K, Tomasek JS: Multicenter Observational Prehospital Resuscitation on Helicopter Study (PROHS). *J Trauma Acute Care Surg* 2018; 83:S83-91
6. Moore HB, Moore EE, Chapman MP, Mcvaney K, Bryskiewicz G, Blechar R, Chin T, Burlew CC, Pieracci F, West FB, Fleming CD, Ghasabyan A, Chandler J, Silliman CC, Banerjee A, Sauaia A: Articles Plasma-first resuscitation to treat haemorrhagic shock during emergency ground transportation in an urban area : a randomised trial. *Lancet* 2018; 392:283–91

Airlift Northwest specific publications on prehospital transfusion (referenced in podcast):

1. Latimer AJ, Vail N, Young K, Durkin M, Utarnachitt R, Haley NR, Hess JR. Transfusion of group a low-titer anti-B liquid plasma to a trauma patient in a helicopter. *Transfusion*. 2018 Dec;58(12):2786-2787. doi: 10.1111/trf.14796. Epub 2018 Oct 4. PMID: 30284259.
2. Van Dijck CP, Stansbury LG, Latimer AJ, Butler EK, Nathwani R, Wall J, Utarnachitt RB, Vavilala MS, Hess JR. Hemostatic Resuscitation of Pediatric Trauma Patients During Air Medical Transport: A Retrospective Matched Cohort Study. *Air Med J*. 2021 Sep-Oct;40(5):344-349. doi: 10.1016/j.amj.2021.04.004. Epub 2021 May 29. PMID: 34535243.

- Latimer A, Utarnachitt RB, Tuott EE, Hess JR. Economical provision of blood components for critical patient transport across a large geographic area. *Transfusion*. 2021 May;61(5):1435-1438. doi: 10.1111/trf.16315. Epub 2021 Feb 12. PMID: 33576515.

Totaal verbruik bloedcomponenten sinds start prehospital transfusieprogramma Airlift Northwest: (zie publicatie 3.)

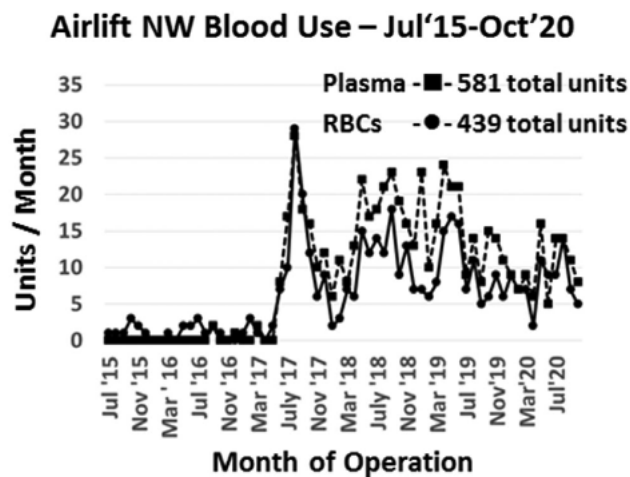


FIGURE 1 Monthly rates of plasma and red blood cell usage in an academic critical care air transport system serving a large geographic area from July 2015 to October 2020. The system comprises five helicopter bases in western and central Washington State and three fixed-wing bases in Washington and Alaska, serving Washington, Alaska, northern Idaho, and western Montana and flies 3500 missions each year