

Kaltlagerung von Thrombozyten: Aktuelle Herausforderungen und zukünftige Perspektiven

1. Becker GA, Tuccelli M, Kunicki T, Chalos MK, Aster RH. Studies of platelet concentrates stored at 22 C nad 4 C. *Transfusion* 1973; 13(2): 61-8.
2. Braathen H, Sivertsen J, Lunde THF, et al. In vitro quality and platelet function of cold and delayed cold storage of apheresis platelet concentrates in platelet additive solution for 21 days. *Transfusion* 2019; 59(8): 2652-61.
3. Brecher ME, Blajchman MA, Yomtovian R, Ness P, AuBuchon JP. Addressing the risk of bacterial contamination of platelets within the United States: a history to help illuminate the future. *Transfusion* 2013; 53(1): 221-31.
4. Capocelli KE, Dumont LJ. Novel platelet storage conditions: additive solutions, gas, and cold. *Curr Opin Hematol* 2014; 21(6): 491-6.
5. Cohn CS, Stubbs J, Schwartz J, et al. A comparison of adverse reaction rates for PAS C versus plasma platelet units. *Transfusion* 2014; 54(8): 1927-34.
6. Getz TM. Physiology of cold-stored platelets. *Transfus Apher Sci* 2019; 58(1): 12-5.
7. Hoffmeister KM, Falet H, Toker A, Barkalow KL, Stossel TP, Hartwig JH. Mechanisms of cold-induced platelet actin assembly. *J Biol Chem* 2001; 276(27): 24751-9.
8. Hoffmeister KM, Felbinger TW, Falet H, et al. The clearance mechanism of chilled blood platelets. *Cell* 2003; 112(1): 87-97.
9. Hong H, Xiao W, Lazarus HM, Good CE, Maitta RW, Jacobs MR. Detection of septic transfusion reactions to platelet transfusions by active and passive surveillance. *Blood* 2016; 127(4): 496-502.
10. Johnson L, Tan S, Jenkins E, Wood B, Marks DC. Characterization of biologic response modifiers in the supernatant of conventional, refrigerated, and cryopreserved platelets. *Transfusion* 2018; 58(4): 927-37.
11. Johnson L, Tan S, Wood B, Davis A, Marks DC. Refrigeration and cryopreservation of platelets differentially affect platelet metabolism and function: a comparison with conventional platelet storage conditions. *Transfusion* 2016; 56(7): 1807-18.
12. Kreuger AL, Caram-Deelder C, Jacobse J, Kerkhoffs JL, van der Bom JG, Middelburg RA. Effect of storage time of platelet products on clinical outcomes after transfusion: a systematic review and meta-analyses. *Vox Sang* 2017; 112(4): 291-300.
13. Marini I, Aurich K, Jouni R, et al. Cold storage of platelets in additive solution: the impact of residual plasma in apheresis platelet concentrates. *Haematologica* 2019; 104(1): 207-14.
14. Murphy S, Gardner FH. Effect of storage temperature on maintenance of platelet viability--deleterious effect of refrigerated storage. *N Engl J Med* 1969; 280(20): 1094-8.
15. Nair PM, Pandya SG, Dallo SF, et al. Platelets stored at 4 degrees C contribute to superior clot properties compared to current standard-of-care through fibrin-crosslinking. *Br J Haematol* 2017; 178(1): 119-29.
16. Ng MSY, Tung JP, Fraser JF. Platelet Storage Lesions: What More Do We Know Now? *Transfus Med Rev* 2018.
17. Noorman F, van Dongen TT, Plat MJ, Badloe JF, Hess JR, Hoencamp R. Transfusion: -80 degrees C Frozen Blood Products Are Safe and Effective in Military Casualty Care. *PLoS One* 2016; 11(12): e0168401.
18. Pidcocke HF, Spinella PC, Ramasubramanian AK, et al. Refrigerated platelets for the treatment of acute bleeding: a review of the literature and reexamination of current standards. *Shock* 2014; 41 Suppl 1: 51-3.
19. Reddoch-Cardenas KM, Bynum JA, Meledeo MA, et al. Cold-stored platelets: A product with function optimized for hemorrhage control. *Transfus Apher Sci* 2019; 58(1): 16-22.
20. Sandgren P, Shanwell A, Gulliksson H. Storage of buffy coat-derived platelets in additive solutions: in vitro effects of storage at 4 degrees C. *Transfusion* 2006; 46(5): 828-34.
21. Schiffer CA, Aisner J, Dutcher JP. Platelet cryopreservation using dimethyl sulfoxide. *Ann N Y Acad Sci* 1983; 411: 161-9.
22. Schiffer CA, Aisner J, Wiernik PH. Clinical experience with transfusion of cryopreserved platelets. *Br J Haematol* 1976; 34(3): 377-85.
23. Seghatchian J, Krailadsiri P. The platelet storage lesion. *Transfus Med Rev* 1997; 11(2): 130-44.
24. Slichter SJ, Bolgiano D, Corson J, et al. Extended storage of buffy coat platelet concentrates in plasma or a platelet additive solution. *Transfusion* 2014; 54(9): 2283-91.

25. Slichter SJ, Corson J, Jones MK, et al. Exploratory studies of extended storage of apheresis platelets in a platelet additive solution (PAS). *Blood* 2014; 123(2): 271-80.
26. Stubbs JR, Tran SA, Emery RL, et al. Cold platelets for trauma-associated bleeding: regulatory approval, accreditation approval, and practice implementation-just the "tip of the iceberg". *Transfusion* 2017; 57(12): 2836-44.
27. Waters L, Cameron M, Padula MP, Marks DC, Johnson L. Refrigeration, cryopreservation and pathogen inactivation: an updated perspective on platelet storage conditions. *Vox Sang* 2018; 113(4): 317-28.
28. Wood B, Johnson L, Hyland RA, Marks DC. Maximising platelet availability by delaying cold storage. *Vox Sang* 2018.