

## Zum Risiko bakteriell bedingter Transfusionsreaktionen durch Thrombozytenkonzentrate

- 1) Yomtovian R, Lazarus HM, Goodnough LT, et al. A prospective microbiologic surveillance program to detect and prevent the transfusion of bacterially contaminated platelets. *Transfusion* 1993; 33:902-9.
- 2) Chiu EKW, Yuen KY, Lie AKW, et al. A prospective study on symptomatic bacteremia from platelet transfusion and its management. *Transfusion* 1994; 34:950-65.
- 3) Wagner SJ, Moroff G, Katz AJ, Friedmann LI. Comparison of bacteria growth in single and pooled platelet concentrates after deliberate inoculation and storage. *Transfusion* 1995; 35:298-302.
- 4) Goldman M, Blajchman MA. Bacterial contamination. In: Popovsky MA, editor. *Transfusion Reactions*, 2<sup>nd</sup> Edition. Bethesda, MD: AABB Press 2001:129-154
- 5) Goldman M, Blajchman MA. Blood product-associated bacterial sepsis. *Transfus Med Rev* 1991; 5:75-83.
- 6) Perez P, Salmi R, Folléa G, et al. Transfusion-associated bacterial contamination: Description of 41 cases from the French national case-control study (Bacthem) (abstract). *Transfusion* 1999;39(Suppl):2S.
- 7) Kuehnert MJ, Roth VR, Haley NR, et al. Transfusion-transmitted bacterial infection in the United States, 1998 through 2000. *Transfusion* 2001; 41:1493-9.
- 8) Graul A, Heiden M, Gräf K, Keller-Stanislawski B. Hämovigilanz in Deutschland – Berichte aus dem Paul-Ehrlich-Institut über Verdachtsfälle von Transfusionsreaktionen im Beobachtungszeitraum Januar 1995 bis Dezember 2002. *Transfus Med Hemother* 2003; 30:232-238.
- 9) Bundesärztekammer. Leitlinien zur Therapie mit Blutkomponenten und Plasmaderivaten. Deutscher Ärzte-Verlag Köln. 2003.
- 10) Wagner SJ, Robinette D, Friedmann LI, Miripol J: Diversion of initial blood flow to prevent whole-blood contamination by skin surface bacteria: an in vitro model. *Transfusion* 2000; 40:335-338.
- 11) de Korte D, Marcelis JH, Verhoeven AJ, Soeterboek AM. Diversion of first blood volume results in a reduction of bacterial contamination of whole-blood collections. *Vox Sang* 2002; 83(1):13-16.
- 12) McDonald CP, Roy A, Mahajan P, Smith R, Charlett A, Barbara JAJ. Relative values of the interventions of diversion and improved donor-arm disinfection to reduce the bacterial risk from blood transfusion. *Vox Sang* 2004; 86:178-182.
- 13) McDonald CP, Lowe P, Roy A, Robbin S, Hartley S, Harrison JF, Slopecki A, Verlander N, Barbara JAJ. Evaluation of donor arm disinfection techniques. *Vox Sang* 2001; 80:135-141.
- 14) Schrezenmeier H, Walther-Wenke G, Müller Th, Weinauer F et al. Bacterial contamination of platelet concentrates: results of a prospective multicenter study comparing pooled whole blood-derived platelets and apheresis platelets. *Transfusion* 2007; 47:644-652
- 15) GERMS Group. False-positive alarms for bacterial screening of platelet concentrates with Bact/ALERT new-generation plastic bottles: a multicenter pilot study. *Transfusion* 2005; 45:1267-1274.
- 16) Burkhart J, Wittmann G, Howe J, Michel P, Schramm W, Weinauer F. *Klebsiella pneumoniae* in platelet concentrates – a case report. *Transfus Med Hemother* 2005; 32(suppl 1):64 (P8.6).
- 17) Brecher ME, Hay SN, Rotheberg SJ. Monitoring of apheresis platelet bacterial contamination with an automated liquid culture system: a university experience. *Transfusion* 2003; 43:974-978



- 18) Macauley A, Chandrasekar A, Geddis G, Morris KG, McClelland WM. Operational feasibility of routine bacterial monitoring of platelets. *Transfusion Medicine* 2003; 13:189-195
- 19) Munksgaard L, Albjerg L, Lillevang ST, Gahrn-Hansen B, Georgsen J. Detection of bacterial contamination of platelet components: six years' experience with the BacT/ALERT system. *Transfusion* 2004; 44:1166-1173
- 20) Larsen CP, Ezligini F, Hermansen NO, Kjeldsen-Kragh J. Six years' experience of using the BacT/ALERT system to screen all platelet concentrates, and additional testing of outdated platelet concentrates to estimate the frequency of false-negative results. *Vox Sanguinis* 2005; 88: 93-97
- 21) Fang CT, Chambers LA, Kennedy J, Strupp A et al. Detection of bacterial contamination in apheresis platelet products: America Red Cross experience, 2004. *Transfusion* 2005; 45:1845-1852
- 22) te Boekhorst PAW, Beckers EAM, Vos MC, Vermeij H, van Rhenen DJ. Clinical significance of bacteriologic screening in platelet concentrates. *Transfusion* 2005; 45:514-519
- 23) Kleinmann SH, Kamel HT, Harpool DR, Vanderpool SK, Custer B, Wiltbank TB, Nguyen KA, Tomasulo PA. Two-year experience with aerobic culturing of apheresis and whole blood-derived platelets. *Transfusion* 2006; 46:1787-1794
- 24) de Korte D, Curvers J, de Kort WLAM, Hoekstra T, van der Poel CL, Beckers EAM, Marcelis JH. Effects of skin disinfection method, deviation bag, and bacterial screening on clinical safety of platelet transfusion in the Netherlands. *Transfusion* 2006; 46:476-485
- 25) Ramírez-Arcos S, Jenkins C, Dion J, Bernier F, Delage G, Goldman M. Canadian experience with detection of bacterial contamination in apheresis platelets. *Transfusion* 2007; 47:421-429
- 26) Eder AF, Kennedy JM, Dy BA, Notari EP, Weiss JW, Fang CT, Wagner S, Dodd RY, Benjamin RJ et al. Bacterial screening of apheresis platelets and the residual risk of septic transfusion reactions: the American Red Cross experience (2004-2006). *Transfusion* 2007; 47:1134-1142
- 27) Holme S, Bunch C, Selman B. Bacterial contamination in stored platelets: performance of the Pall eBDS system under routine use conditions. *Vox Sang* 2005; 89(Suppl 1):P-194.
- 28) McDonald CP, Pearce S, Wilkins K et al. Pall eBDS: an enhanced bacterial detection system for screening platelet concentrates. *Transfus Med* 2005; 15:259-268
- 29) Schmidt M, Weis C, Heck J et al. Optimized Scansystem™ platelet kit for bacterial detection with enhanced sensitivity: detection within 24 h after spiking. *Vox Sang* 2005; 89:135-139.
- 30) McDonald CP, Colvin J, Robbins S et al. Use of a solid-phase fluorescent cytometric technique for the detection of bacteria in platelet concentrates. *Transfus Med* 2005; 15:175-183.
- 31) Mohammadi T, Pietersz RNI, Vandenbroucke-Grauls CMJE et al. Detection of bacteria in platelet concentrates: comparison of broad-range real-time 16S rDNA PCR and automated culturing. *Transfusion* 2005; 45:731-736.
- 32) Mohammadi T, Pietersz RNI, Scholtalbers LAH et al. Optimal sampling time after preparation of platelet concentrates for detection of bacterial contamination by quantitative real-time polymerase chain reaction. *Vox Sang* 2005; 89:208-214.