

BEST Studies, 1991 - 2009

| <i>Study # (year) when started</i> | <i>Title of the study</i> | <i>Publications #</i> |
|--|---|---------------------------|
| 1 (1991) | Flow cytometry vs Nageotte chamber white cell counting methods | 1 |
| 2 (1992) | Counting leukocytes by Nageotte chamber in leukocyte-depleted red blood cells | 3, 10 |
| 3 (1993) | Quality control of platelet concentrates by shimmering inspection | 2,4 |
| 4 (1994) | Evaluation of platelet swirling vs pH in routine PC | 9 |
| 5 (1994) | Relation between swirling and other methods for PC quality control | 5,4 |
| 6 (1994) | Cellular harvests in blood components prepared with buffy-coat removal versus methods based on platelet-rich plasma | 6,7,13 |
| 7 (1994) | Use of in vitro assays: evaluation of platelet properties using the extent of shape change, and response to hypotonic stress assays | 14 |
| 8 (1995) | Multicenter evaluation of the 3% PFA method for white cell counting in leukocyte-reduced red blood cells | 11 |
| 9 (1996) | In vitro assays for evaluation of the properties of stored platelets: interlaboratory study to evaluate lactate, lactate dehydrogenase and CD62 parameters | 16 |
| 10 (1996) | Platelet transfusion in routine practice | |
| 11 (1996) | Automated white cell count in white cell reduced blood components | 19 |
| 12 (1996) | Platelet counting study | 15, 20, 36 |
| 13 (1996) | CD34+ cell count | 18 |
| 14 | SToP Study | Closed 57 |
| 15 (2000) | Cord blood filtration study | 41 |
| 16 | Evaluation of the influence of conditions encountered during the transportation of platelet components from blood centers to hospitals on platelet quality (See Study 20) | -- |

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| 17A (2000) | Storage of platelets in additive solutions: In vitro effects of potassium and magnesium (pilot study) | 21 |
| 17 (2001) | Storage of platelets in additive solutions: In vitro effects of potassium and magnesium (pilot study) | 22, 23 |
| 18 (2001) | The COBS (collection of blood samples) study | 25,27 |
| 19(A-F) (2001) | Evaluation of in vitro assay utilized to evaluate cord blood hemopoietic stem cell products | 33,39 |
| 20A (2001) | Effects of interruption of agitation of platelet concentrates stored in PAS environment (pilot study) | 32 |
| 20 | Effects of interruption of agitation of platelet concentrates stored in PAS environment (pilot study) | |
| 21A (2001) | Effect of storage medium and protein source on ESC and HSR (pilot study) | 24 |
| 21 (2002) | Effect of storage medium and protein source on ESC and HSR | 30 |
| 22 (2002) | Evaluation of the hemostatis efficacy and the platelet utilization rates of low versus standard dose platelet therapy (StoP) | 26, 29, 31 |
| 23 (2003) | Effect of supranormal pH on radiolabeled platelet recovery and survival (Dumont/Gulliksson) a. pH b. Comparison of analysis methods | 38 |
| 24 (2003) | Effect of two days' shipping on platelet function and biochemical analyses (Gulliksson/Dumont) | 35 |
| 25 (2003) | Comparison of Recovery and Survival of Extended Storage PRP and Buffy Coat Platelets in Health Volunteers (Dumont) | Active |
| 26 (2003) | Comparison of in vitro analyses of red cell units across multiple labs (Hess) | 37 |
| 27 (2003) | A descriptive analysis of international transfusion practice and bleeding outcomes in patients with acute leukemia (Heddle) | (in press) 40 |
| 28 (2003) | Inter-lab pilot study on the quality characteristics of dendritic cells (Eichler) | Closed 50 |

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| 29 (2003) | A. Survey to identify release criteria being utilized with cellular therapy products (Szczepiorkowski) B. Transportation/shipping survey (Pamphilon/) | Active |
| 30 (2003) | Survey to understand cell recovery in thawed cord blood samples (Brand) | Active 51 |
| 31 (2003) | Randomized controlled trial of a simple intervention to improve performance of the pretransfusion bedside identity check (PROBE Study) (M Murphy) | Closed 49 |
| 32 (2006) | Standardisation of the CFU assay (Reems) | Active |
| 33 (2004) | Comparison of radiolabeling and flow cytometry for determining platelet kinetics (Williamson/Brand) | HLA(in development) |
| 34 (2004) | Bacterial contamination detection questionnaire (Prowse) | Closed (Abstract) 52 |
| 35 (2004) | Platelet quality control standardization send-around (van der Meer/Cardigan) | Active |
| 36 (2005) | Functional assays for evaluation of dendritic cells (Eichler/Szczepiorkowski) | (In development) |
| 37 (2006) | a. Comparison of single- and double-label approaches to red cell recovery studies and evaluation criteria (Hess/AuBuchon) b. | ?Closed 53 Active |
| 38 (2006) | Statistical process control for blood sample collection (Beckman) | Closed 54 |
| 39 (2006) | Survey of transfusion audit practices (Tinmouth/Stanworth) | Active |
| 40 (2006) | Reduction in variation of performance of antibody titrations (AuBuchon) | Closed 55 |
| 41 (2006) | Whole blood overnight storage (Gulliksson/van der Meer/Cardigan) | Active |
| 42 (2006) | Qualitative Evaluation for Safer Transfusion (QUEST) (Heddle) | Active |
| 43 (2007) | Haemoglobin measurement of blood units matched to patients (Hervig) | Active |
| 44 (2007) | Questionnaire on ABO incompatible platelets (Lozano) | Active |
| 45 (2007) | Guidelines for reporting platelet trials in transfusion medicine (Heddle) | Active |
| 46 (2007) | Modelling effect of shortening red cell life on inventory (Dzik) | |

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| 47 (2008) | Transportation of CT products (McKenna, Pamphilon) | |
| 48 (2008) | Bacterial contamination of CT products (McMannis, van de Watering) | |
| 49 (2008) | Nucleotide profiles in red cells relative to R&S (Dumont) | |
| 50 (2008) | Haemolysis from national quality control data (Hess) | Closed 58 |
| 51 (2008) | Platelet quality after different pre processing hold conditions (de Wildt) | |
| 52 (2009) | Algorithm for investigating clinical based approach to transfusion reaction (Hedde) | |
| 53 (2009) | Survey of RSI (Hess) | |
| 54 (2009) | Age of Blood Studies: Methodological Pitfalls (van de Watering) | |