

Reporting adverse events and reactions relating to Cell Salvage to SHOT

Guide for staff involved in the use of peri-operative and post operative cell salvage equipment

Introduction

SHOT is providing a new way to report adverse event and reactions related to the use of intra operative and post operative cell salvage. Following the successful pilot of the Cell Salvage incident reporting study, it was decided to include the reporting of these incidents into the new SHOT Dendrite online database.

What to report to SHOT

Any adverse events or reactions associated with intraoperative (ICS) and postoperative (PCS) cell salvage (washed or unwashed). Please note that adverse events and reactions associated with acute normovolaemic haemodilution and PAD (pre-operative autologous donation) can also be reported to SHOT but not via the cell salvage pathway. They must be reported to the hospital transfusion team in the same way as adverse events are reported for donor blood. In the table below is the list of trigger events to report and the categories that they fall into.

| Category | What to report |
|---------------------------------------|--|
| Operator error | Equipment not assembled correctly to include both collection and processing equipment |
| | Incorrect dilution of heparinised saline |
| | Non IV Saline used for the wash |
| | Contraindicated substances aspirated into the collection reservoir |
| | Time exceeded for collection and/or Reinfusion for either ICS or PCS |
| | Reinfusion bag not labelled for the patient - either ICS or PCS |
| | PCS system not assembled correctly |
| Machine/System failure | Any stoppage of the machine where the operator has not made the decision to halt the procedure |
| | Reinfusion bag falls off (PCS) |
| Category | What to report |
| Clinical events for either ICS or PCS | Pulmonary Embolus |
| | Arterial embolus |
| | Coagulopathy |
| | Air Embolus |
| | Pulmonary Embolus |
| | Hypotensive episode on Reinfusion of processed red cells |

Making the Report

Please use a copy of the SHOT Dendrite data collection form to collect the data required to make the report. **Once you have collected the data required for the report, please send it to the Hospital Transfusion Team who will enter the data onto the SHOT Dendrite database.**