



TRANSFUSION MEDICINE PROTOCOLS

Intraoperative Cell Salvage

This document should be read in conjunction with the [Disclaimer](#)

Aim

To provide general information on the use of intra operative cell salvage at KEMH

Description

- **The KEMH Anaesthetic Policy for Provision of Intra Operative Cell Salvage** should be used as the primary reference for practice.
- The aim of the policy is to ensure that intraoperative cell salvage (ICS) is used safely and appropriately thus avoiding the risks of unnecessary allogeneic transfusion at KEMH.
- Utilising appropriate alternatives to blood transfusion is cost-effective and complies with state-wide patient blood management (PBM) recommendations.
- ICS can provide an alternative to the supply of allogeneic red cell transfusion for some patients undergoing surgical procedures. It may provide an alternative for some patients who refuse blood products.
- ICS may reduce the risks of blood transmissible disease and the immunological events associated with the use of allogeneic blood.
- Methods for ICS should be safe, aseptic and ensure accurate identification of all blood collected. The equipment used shall be pyrogen free and shall include a filter capable of retaining particles potentially harmful to the recipient and must preclude air embolism.
- Salvaged blood must be clearly labelled with the patient identification details including full name, D.O.B. UMRN and date and time of collection.
- Blood collected by cell salvage should not leave the theatre environment. It must be reinfused in theatre or discarded.
- Salvaged blood should be used within four hours of initiating collection as specified in the National Blood Authority – Guidance for the Provision of Cell Salvage. As bacterial contamination by air born organisms cannot be excluded during collection.
- A individual clinical assessment of each patient must be undertaken to assess if they are a suitable candidate for ICS use.

References

- National Blood Authority – Guidance for the Provision of Cell Salvage 2014
<http://www.blood.gov.au/ics#ics-guidance>




- Australian & New Zealand Society of Blood Transfusion (ANZSBT) & Royal College of Nursing Australia (RCNA) Guidelines for the Administration of Blood Products 2nd Edition, December 2011
<http://www.anzsbt.org.au/publications/index.cfm#societyg>
- National Blood Authority Patient Blood Management Guidelines. 2011
 - Module 1 Critical Bleeding/ MT <https://www.blood.gov.au/pbm-module-1>
 - Module 2 Peri-Operative <https://www.blood.gov.au/pbm-module-2>
 - Module 3 Medical <https://www.blood.gov.au/pbm-module-3>
 - Module 4 Critical Care <https://www.blood.gov.au/pbm-module-4>
 - Module 5 Obstetrics and Maternity <https://www.blood.gov.au/pbm-module-5>
 - Module 6 Neonatal and Paediatrics <https://www.blood.gov.au/pbm-module-6>

Related policies

- National Safety and Quality Health Service Standards, October 2012. [Standard 7: Blood and Blood Products](#)

Related WNHS policies, procedures and guidelines

- [WNHS Blood Product Prescription Consent and Refusal](#)
- The KEMH Anaesthetic Policy for Provision of Intra Operative Cell Salvage
- [WNHS Checking Procedure Pre Administration of Blood Products](#)
- [Obstetrics and Gynaecology Clinical Guidelines](#)
- [Blood Product Prescription Consent and Refusal](#)

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