

14 AUTOLOGOUS PRE DEPOSIT BLOOD DONATION

Date Issued: January 2005
Date Revised: August 2011
Review Date: August 2013
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14.2 Procedure for Autologous Collection
Section 14
Transfusion Medicine Protocols
Women's & Newborn Health Services
Perth Western Australia

14.2 PROCEDURE FOR AUTOLOGOUS COLLECTION

ASSESSMENT

- 14.1 *Considerations for Autologous Collection* should be reviewed by the requesting doctor and the case should be discussed with the Consultant Haematologist at ARCBS Wellington Street, if Autologous Collection is still considered appropriate.
- The requesting doctor must assess the patient to make sure that he or she will tolerate the pre-deposit schedule. Normally, a maximum of 4 units can be collected.
- Informed consent must be documented and requires the doctor to discuss *The risks and benefits of autologous transfusion* with the patient (or legal guardian).
- All autologous blood is tested for hepatitis B and C, HIV, HTLV and syphilis. If a unit fails initial screening the ARCBS will notify the requesting doctor and suspend collections pending results of supplementary testing. If this is completed in time, falsely reactive units can be issued at the requesting doctor's request. However, units confirmed as positive for a viral marker will be discarded.

CONSIDERATIONS

- Other allogeneic blood or blood products may still be needed.
- Blood will be discarded if not used by the patient.

DOCUMENTATION

- The doctor must complete the following forms:
 - ARCBS Autologous Request Form (available from Blood Bank)
 - A Transfusion Medicine Request Form for Autologous Donation
 - Pathology Request Form for Full Blood Count
 - Transfusion Medicine form detailing an accurate date of elective surgery and specifying the number of autologous units to be donated.
- The patient must sign the statement of consent on the ARCBS form.
- The patient is required to bring all forms to the Haematology Department for sample collection.
- In general, ARCBS will arrange collection between 5 and 35 days in advance of the anticipated date of surgery. Units of packed red cells can be stored for a maximum of 42 days and whole blood for a maximum of 35 days.
- Oral iron therapy and dietary advice should be offered to the patient.
- The patient must contact the ARCBS Autologous Clerk (Telephone: 9421-2857 or 9325-3333 Extension 857) to make appointments for blood donation at the ARCBS donor centre, Wellington Street, Perth, or at one of the metropolitan or regional collection centres.
- The Blood Bank will fax the completed ARCBS request form to ARCBS for processing.