

Maximum Surgical Blood Order Schedule (MSBOS)

Approved by Transfusion Committee: 30 April 2012

The Sunnybrook Intranet document is considered the most current.

POLICY:

- The Surgical Blood Bank Testing table will be utilized by the Blood Bank on the day prior to the patient's scheduled procedure.
- A daily OR blood list will be prepared which must be reviewed by the OR staff prior to starting all high blood loss procedures to ensure timely availability of blood.
- At the Pre Admission Clinic (PAC) appointment the PAC Guide and Surgical Blood Bank Testing table must be consulted to ensure that appropriate testing is sent to Blood Bank pre-operatively.

Some patients (severe pre-op anemia, coagulation problems) may be at greater risk of requiring an intra-operative transfusion and may need to have more Blood Bank testing than recommended for their surgical procedure. ***It is the responsibility of the STAFF surgeon/anaesthetist to communicate this to Blood Bank by phone at least 12 hours before the planned procedure.***

PROCEDURE:

Pre-operative Group and Screen (G&S) requirements

1) Surgical procedures that have a transfusion rate of less than 5% do not require a G&S sample (e.g. TURP, laparoscopic cholecystectomy).

2) Surgical procedures listed on the Surgical Blood Bank Testing table require an **indate G&S**.

a. If the G&S is labelled using a Positive Patient Identification (PPID) device, blood will be available as follows;

- If the patient's antibody screen is negative and there is no previous history of antibodies, blood will be available from the HemoNine fridge (Sunnybrook site) or from Blood Bank at other sites.
- If the antibody screen is positive or there is a history of previous antibodies, crossmatched blood will be available from Blood Bank as the patient will not be fridge eligible.
 - The number of red blood cell units prepared will be based on the transfusion rate, type of surgery and type of antibody(ies) if present.

b. If the G&S is **NOT** labelled using a PPID device

- Surgical procedures with a transfusion rate of 5 – 30%
 - May require additional Blood Bank testing **if transfusion is required** and no previous G&S on record
 - Consult the OR list or contact Blood Bank
- Surgical procedures that have a transfusion rate greater than 30% or high blood use surgeries but transfusion rate is unavailable(due to low case volume)
 - May require additional Blood Bank testing if no previous G&S on record
 - Consult the OR list or contact Blood Bank
 - If the patient's antibody screen is negative and there is no previous history of antibodies, blood will be available from the HemoNine fridge (Sunnybrook site) or from Blood Bank at other sites.
 - If the antibody screen is positive or there is a history of previous antibodies, crossmatched blood will be available from Blood Bank as the patient will not be fridge eligible.
 - The number of red blood cell units prepared will be based on the transfusion rate, type of surgery and type of antibody(ies) if present.