**Purpose**

To provide guidelines on fulfilling routine blood product orders in Transfusion Services (TS).

**Policy**

Blood Orders for red cells (RBC) and plasma will be filled as needed by the nursing staff and clinicians. For patients who qualify for electronic crossmatch, all routine RBC orders will be filled on a crossmatch on demand basis. For routine orders for patients not qualifying for computer (electronic) crossmatch and for orders of platelets, plasma and cryoprecipitate (cryo), orders will be filled based on the date and time product is needed for transfusion. This policy ensures that blood product wastage is minimized and blood product inventory management by Transfusion Services is optimized.

**Procedure:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Action** | | | **Related Documents** |
| **1.** | * Review Order * Check date and time product needed. * Call floor to establish when product will be transfused | | |  |
| **2.** | * Perform Order Entry | | |  |
| **3.** | * Place labels on appropriate clipboard for processing. * The secondary processing tech will prepare plasma components * The bench tech is responsible for red cell component orders and allocating all blood products | | |  |
| **4.** | * Notify the appropriate technician or technologist of new blood products needed immediately. | | |  |
| **5.** | * Setup blood orders using the following: | | |  |
| **If order is for** | **And the patient is** | **Then** |  |
| * Red Blood Cells * (RBCs) | * Electronic Eligible | * Setup RBCs when nurse calls for product. |  |
| * RBCs | * Not Electronic Eligible | * Set up crossmatch compatible RBCs allocated to patient. |  |
|  | **If order is for** | **And** | **Then** | **Related Documents** |
| **6.** | * Plasma | * Type compatible plasma is available | * Setup plasma when product requested for infusion. | Preparation of Thawed Plasma in, SQ |
| * Plasma | * Type compatible plasma is not available | * Thaw plasma as needed. Let floor know product will be available as soon as it has been thawed. |  |
| * Platelets * (PLT) | * Type specific PLT needed. | * Allocate type specific platelets. Order as needed. | Preparation of Combined Plts in SQ  SQ Component Preparation |
| * PLT | * Any type platelets okay | * Allocate platelets and issue when nurse calls for platelets. |  |
| * Cryoprecipitate (Cryo) |  | * Thaw cryo when nurse calls for product. Allocate and Issue. | Preparation CRYO in SQ |
| * Special Blood Products | * Ordered from Supplier | * Set up units as soon as units are available * Call nurse when blood is ready for transfusion | Compatibility Process |
| **7**. | * + Blood products will be sent when a blood component release (BCR) form is sent to Transfusion Services. | | |  |

**References:**

AABB Standards for Blood Banks and Transfusion Services, Current Edition

Blood Bank User Guide, Misys Laboratory