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NEW LAB REPORT FOR PHYSICIANS WHO CARE FOR AUTOLOGOUS STEM CELL TRANSPLANT PATIENTS

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On February 23rd, a new lab report was made available for physicians who care for Autologous Stem Cell Transplant Patients. The "HPC Collection Report" was created to better communicate cell counts and quality testing results performed on hematopoietic progenitor cell (HPC) product collections.

For those patients who undergo autologous stem cell collections and cryopreservation of their products, a report form will be generated for each day's stem cell collection. The report will provide the following information:

- Date of Collection
- Product ID Number
- Total Volume Collected
- WBC Concentration of the product, including % Lymphocytes and % Monocytes
- Total Nucleated Cells and Total Mononuclear Cells in the product
- Total CD34+ cells in the product
- Viable CD34+ cells per Kg in the product
- Number of Bags and total volume frozen
- Culture Results

The product report will be available in the physician's Clinical Results Manager (CRM) approximately 24-48 hours after processing the last day's collection. Once culture results are available (approximately 14 days after the last collection) the

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report will be updated and again appear in the physician's CRM. In addition, the infectious disease testing collected on the first day's collection and performed by BloodCenter of Wisconsin will be scanned into the combined medical record (CMR) and linked to the first day's HPC Collection Report.

An "HPC Summary Report" will be posted after the series of collections is done and will include the total bags frozen, total volume frozen, and total CD34+ cells per Kg frozen for all collected units processed.

As part of the development for the new report, flow cytometry result fields (found under "Hematology" in CMR) were created for reporting CD34%, CD34 absolute count, CD34 cells per Kg body weight, and total CD34+ cells for each day's collection. In addition, the "reporting units" for CD34+ cell count concentration were changed from "per mL" to "per uL". This change went into effect on January 6, 2015, and allows better compliance with College of American Pathologists (CAP) and other flow cytometry guidance documents. Information on converting "per uL" value to "per mL" is provided in the "comments" section of the result.

QUESTIONS

Questions about the new "HPC Collection Report" may be directed to:
Dr. Kathy Puca or Jan Weyhmiller, Transfusion Service, at 800-222-5835.

REFERENCES

1. Clinical and Laboratory Standards Institute (CLSI). *Enumeration of Immunologically Defined Cell Populations by Flow Cytometry; Approved Guideline – Second Edition (H42-A2).* 2006.
2. Clinical and Laboratory Standards Institute (CLSI). *Clinical Flow Cytometric Analysis of Neoplastic Hematolymphoid Cells; Approved Guideline – Second Edition (H43-A2).* 2006.