



# Memorandum

**Date:** January 22, 2016  
**To:** Calgary and South Zone Physicians  
**From:** Dr. Meer-Taher Shabani-Rad, CLS Clinical Section Chief, Hematopathology  
**Re:** **Immature Granulocyte Parameter Reporting from Foothills Medical Centre Hematology Laboratory**

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**Key Messages:**

- **On January 26, 2016 at 1030 AM**, the Foothills Medical Center (FMC) Hematology Laboratory will begin reporting complete blood count (CBC) parameters from a new CBC analyzer (SYSMEX) that has the ability to report immature granulocytes as an additional parameter to the automated differential count.

**Importance:**

- Results with immature granulocyte count more than 5% will have further differential slide review by the lab and the individual counts of promyelocytes, myelocytes and metamyelocytes will appear on the final report.
- Results with an immature granulocyte count less than 5% will be autoverified and the immature granulocyte result will appear on the CBC report.
- In the presence of immature granulocytes on the CBC report, no request for review of blood smears for blast cells will be required as blast cells will be specifically flagged by the instrument and reviewed by the lab.
- The immature granulocyte parameter may include promyelocyte, myelocytes and metamyelocytes, but not blast cells. Blast cells will be specifically flagged and further reviewed by the lab.
- Consistent with current practice, automated CBC results of TBCC patients (with immature granulocyte parameter) will be released prior to supplemental review of slide. In these cases both automated and reviewed differential will appear on final report.

**Action Required:**

No specific action is required.

**Inquiries and feedback may be directed to:**

Dr. Meer-Taher Shabani-Rad at 403-944-4754 or [meer-taher.shabani-rad@cls.ab.ca](mailto:meer-taher.shabani-rad@cls.ab.ca)

**This memorandum has been reviewed and approved by:**

Leland Baskin, MD, FCAP, FACB, Medical Director, VP Medical Operations, Calgary Laboratory Services