

MEMORANDUM

To: Regional Medical Laboratory (RML) Clients

From: Lawrence R. Johnson, MD, FCAP, Medical Director of Hematology, Flow Cytometry, Coagulation, and Urinalysis
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Subject: Immature Granulocyte % and Absolute – Six-Part Automated Differential

Date: January 15, 2015

RML is pleased to announce the availability of a new automated differential testing parameter, the Immature Granulocyte Percent and Absolute (IMM GRAN % and IMM GRAN ABS respectively). The Immature Granulocyte (IG) parameter will be available for specimens tested at the St. John Medical Center Laboratory and the Central Laboratory at 41st and Mingo. RML will begin reporting a six-part automated differential on January 31, 2015. CPT codes and pricing for CBC testing will remain unchanged as a result of this addition.

The IG is a measure of immature granulocytes and includes those cells less mature than bands, which include metamyelocyte and myelocyte collectively. Historically, this measurement has been available only as a flagging tool and it was used to determine when scanning a slide is appropriate. We will still use our criteria to manually slide review those CBCs that have >2% IG, but we will also now utilize the IG as a reportable parameter in the automated differential.

RML sites that are not reporting the parameter have instrumentation that flags the user to review the slide if the IG% is above 2%. The technologist will then review the slide and report any immature cells that are present.

Since we have used the IG as a flagging parameter for many years, we have a great deal of data collected on it and have determined the normal IG% and absolute range to be as follows:

	IG Percent
Males and Females (<1yr):	0.0-2.2 %
Males and Females (1-2yrs):	0.0-1.0 %
Males (3-15yrs):	0.0-0.8 %
Females (3-15yrs):	0.0-0.6 %
Males (≥16yrs):	0.0-0.8 %
Females (≥16yrs):	0.0-0.6 %

	IG Absolute
Males and Females (<1yr):	0.0-0.3
Males and Females (1-15yrs):	0.0-0.1
Males and Females (≥16yrs):	0.0-0.1

For questions or comments, contact Lizbeth Carreiro at (918) 744-3131 ext 16254 or Dr. Lawrence Johnson at (918) 744-2553 or contact us by email at lizbeth.carreiro@sjmc.org or lrjohnson@sjmc.org.