



Department of Pathology

SECTION OF HEMATOPATHOLOGY
CLINICAL HEMATOLOGY LABORATORY

CLINICAL FLOW CYTOMETRY
CLINICAL IMMUNOHISTOCHEMISTRY

John Anastasi, MD
Associate Professor
john.anastasi@uchospitals.edu

Jason X. Cheng, MD, PhD
Assistant Professor
jason.cheng@uchospitals.edu

Sandeep Gurbuxani, MBBS, PhD
Associate Professor
Director, Fellowship Program
sandeep.gurbuxani@uchospitals.edu

Elizabeth Hyjek, MD, PhD
Associate Professor
ehyjek@bsd.uchicago.edu

James W. Vardiman, MD
Director and Professor, Emeritus
james.vardiman@uchospitals.edu

Girish Venkataraman, MD
Assistant Professor
Director, Clinical Immunohistochemistry
girish.venkataraman@uchospitals.edu

Julie Leanse, MS, MT (ASCP)
Technical Director
Clinical Hematology Laboratory
Clinical Flow Cytometry

TO: Medical Staff, House Staff, Nursing Staff, Patient Care Centers and Outpatient Clinics

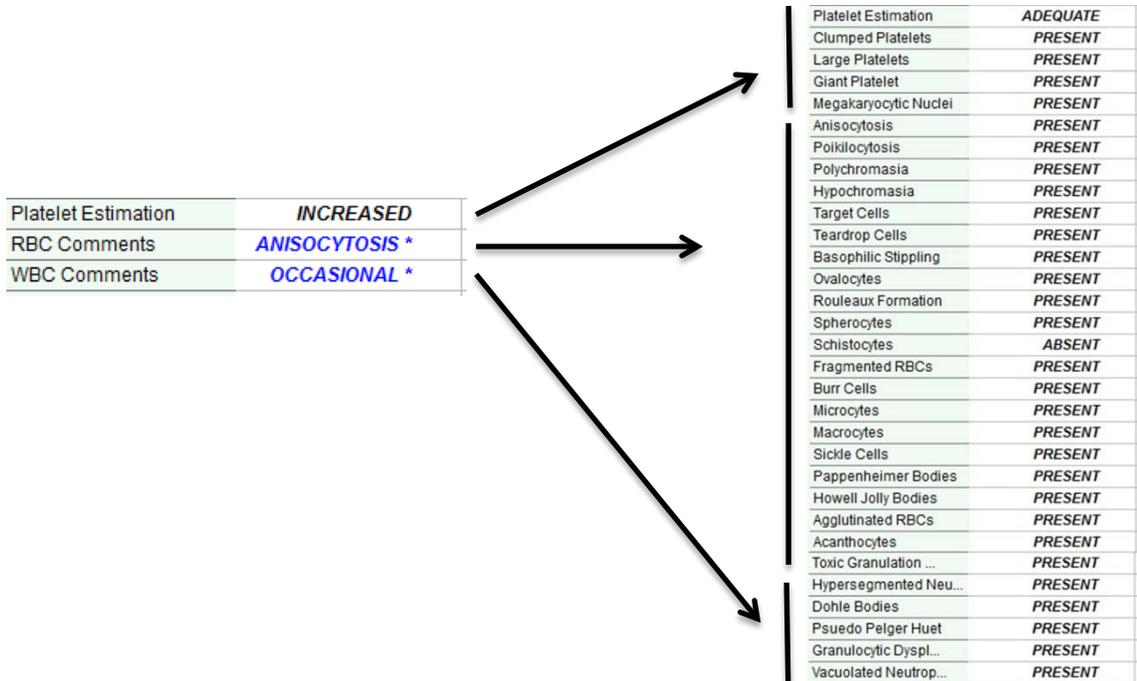
FROM: Sandeep Gurbuxani, MBBS, PhD Medical Director Clinical Hematology Laboratory
Julie H. Leanse, MS, MT (ASCP) Technical Director Clinical Hematology Laboratory

DATE: March 15, 2018

RE: **Changes in reporting of CBC and Differentials**

On March 20, 2018, the hematology laboratory will transition to a mandatory upgrade of work area manager (WAM) used for reporting hematology CBC and differential results generated from the Sysmex hematology analyzer into the EMR. The upgrade will be accompanied by two significant changes:

1. Morphology: Currently, Platelets, RBC and WBC morphology are reported as text embedded in a single row designated Platelet estimation, RBC comments and WBC comments respectively. This will change to each description appearing as an individual result in a separate row to allow for review of all morphology aspects without having to click on the comments



2. Six Part Differential: In addition, the laboratory will transition to reporting an automated six part differential instead of the current 5 part differential. Currently the automated differential includes Neutrophils, Eosinophils, Basophils, Monocytes and Lymphocytes. All other cells trigger a manual review of the smear that requires additional time and delayed reporting. Starting March 20, 2018 the six part automated differential will include immature granulocytes in addition to the 5 current parameters. When the fraction of promyelocytes, myelocytes and metamyelocytes counted together is less than 5%, this will be reported in a single value as percent and absolute immature granulocytes. When greater than 5%, the percent will be reviewed manually and reported individually for each of the cell type.

Please do not hesitate to contact the Clinical Hematology Laboratory at 2-1314 if you have any questions.

Reference: Fernandes B, Hamaguchi Y. Automated enumeration of immature granulocytes. Am J Clin Pathol. 2007 Sep; 128(3):454-63.