



To: Penn Medicine Physicians and Staff

From: **Olga Pozdnyakova MD, PhD**
Director, Division of Hematopathology and Hematology Laboratory

Date: November 8, 2024

Re: **White Blood Cell Differential on Low WBC counts**

On Monday November 18, 2024, there will be an important change to the white blood cell (WBC) differential workflow.

1. A WBC differential (manual or automated) will not be performed if the WBC count is less than or equal to 0.6 K/ \square L. This change has been discussed with Alison Loren MD, MSCE as Chief of Hematology/Oncology, and is driven by (1) the lack of reproducibility in estimating differentials / absolute neutrophil counts for patients with WBC < 0.6, and (2) the anticipated low impact to clinical care as all patients with WBC < 0.6 will have an ANC of < 0.5.
2. If a WBC manual differential is required for clinical management, the clinician should call the resulting hematology laboratory at the site where the test was performed. The resulting laboratory information is in Penn Chart at the bottom of the CBC (Under Narrative).

HEME PROFILE + ELECT DIFF

Status: Edited Result - FINAL Visible to patient: Yes (seen) Next appt: 10/10/2024 at 09:30 AM in Internal Medicine

0 Result Notes | 1 Patient Communication

Component	8 mo ago
Ref Range & Units	
White Blood Cells	6.9
4.0 - 11.0 THO/uL	
Red Blood Cells	4.30
3.80 - 5.30 MIL/uL	
Hemoglobin	12.0
12.0 - 16.0 g/dL	
Hematocrit	36
36 - 46 %	
MCV	83
80 - 100 fL	
MCH	28
27 - 33 pg	
MCHC	34
31 - 36 g/dL	
RDW	14.1
11.5 - 14.5 %	
Platelets	276
150 - 400 THO/uL	
Resulting Agency	HUP_CM

Narrative

Test performed at Penn Medicine at Radnor Lab, 145 King of Prussia Road, Radnor, PA 19087

3. Please note, this change will not affect the Complete Blood Count orders, which will continue to be reported as prior. For questions or concerns, please contact Olga Pozdnyakova MD, PhD at olga.pozdnyakova@penmedicine.upenn.edu.

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