

CASE 10 ERYTHRODERMA: EOSINOPHILIA

Case #10 is a 77-year-old female who presented with a pruritic rash that progressed to a generalized erythroderma. Four weeks previously she began to take a drug brand-named Tegretol®; nine days later she developed a skin rash.

On her white cell histogram we note an abnormal population in the mononuclear cell region, associated with the white count of 17,400. There are R2 flags for her lymphocyte and mononuclear cell populations and an RM flag for the granulocyte population.

Her peripheral blood smear shows that she has eosinophilia. On the differential she had nearly 30% eosinophils.

This case is presented to show eosinophilia characterized by an R2 flag. However, the next case is perhaps more typical of eosinophilia in that it exhibits an R3 flag.

LABORATORY

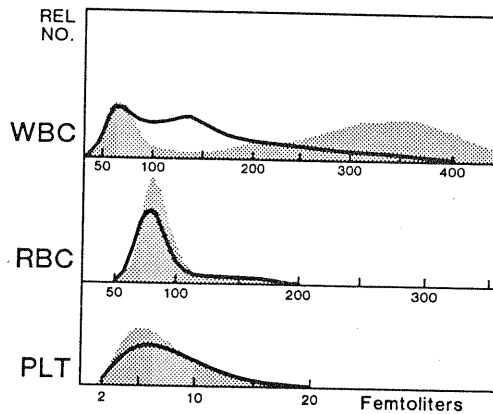
Manual Differential:

Neutrophils	31.0	Monocytes	7.5
Lymphocytes	31.5	Eosinophils	29.5

SAMPLE-ANALYSIS INTERPRETATION

WBC: R2 flag secondary to eosinophilia.

IMPRESSION: Drug induced erythroderma, eosinophilia



WBC	17.4	
LY %	31.0	R2
MO %	18.2	R2
GR %	50.8	RM
LY #	5.4	R2
MO #	3.2	R2
GR #	8.9	RM
RBC	4.59	
HGB	13.0	
HCT	38.7	
MCV	84.4	
MCH	28.3	
MCHC	33.6	
RDW	14.2	
PLT	297.0	
PCT	.291	
MPV	9.8	
PDW	16.2	

Tegretol®:
Registered trademark of GEIGY Pharmaceuticals, a division of
BIA-GEIGY Corporations, Ardsley, NY