

# Laboratory Report

Complete Blood Picture – Al Salam Hospital Medical Lab

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## Abnormal – Requiring Attention (2)

Test	Result	Reference	Status	Clinical Significance
Hemoglobin	11.7 g/dL	12.0-15.0	LOW	Mildly low – mild anaemia.
Hematocrit	35.2 %	36.0-46.0	LOW	Low – consistent with mild anaemia.

## Normal – Reassuring (12)

Test	Result	Comment
RBC	4.0 x10 <sup>12</sup> /L	Normal red blood cell count.
MCV	86 fL	Normal – normocytic.
MCH	28.5 pg	Normal
MCHC	33.1 g/dL	Normal
Platelet Count	171 x10 <sup>3</sup> /μL	Normal platelets.
WBC (TLC)	6.7 x10 <sup>3</sup> /μL	Normal total WBC count.
ANC	4.958 x10 <sup>3</sup> /μL	*** CRITICAL BASELINE: ANC was completely NORMAL (4.958) BEFORE Tegretol was started. Current ANC 0.7-0.8 – strong evidence for carbamazepine-induced neutropenia. ***
Neutrophils %	74 %	Normal
Lymphocytes	1.474 x10 <sup>3</sup> /μL	Normal
Lymphocytes %	22 %	Normal
Monocytes	0.201 x10 <sup>3</sup> /μL	Normal
Eosinophils	0.067 x10 <sup>3</sup> /μL	Normal

## Notes

Pre-Tegretol baseline CBC. ANC was NORMAL (4.958). Ref by Prof. Emad Mohsen Barsoum. Comment: Mild normocytic normochromic anaemia.