**Original article:**

**Anemia is most common Hematological manifestation of HIV infected patients**

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**Date of submission: 22 May 2014; Date of Publication: 29 June 2014**

**Abstract:**

**Introduction**: The pathogenesis of the haematological manifestations of human immunodeficiency virus (HIV) and Discuss relevant laboratory findings as anaemia, leucopoenia, thrombocytopenia and eosinophilia in hiv infection. Establish care guidelines for HIV infected person and altered haematopoiesis resulting in anaemia, leucopoenia, thrombocytopenia and eosinophilia .

**Methodology:** Blood was collected in a sterile EDTA containing tube and processed following our established laboratory protocol and by universal precaution as per the guideline of National aids control organization (NACO, India). A complete blood counting including HB%, PCV, Red cell indices ,platelet count and total white cell count and differential was done by Automated blood cell counter analyzer of all the patient on antiretroviral therapy .The all cell count indices including WBC count with differential and platelet count, was further confirmed by manual oil immersion smear study method. Peripheral smears study was done with field A and B Stain and Leishman stain.

**Results**: Out of the 300 study cases anaemia is most commonly affected hematological parameter in the study. Anemia is most common finding with 215 cases (71.6%, n=-300) while eosinophilia is least common with 49 cases(16.3%, n=300)

**Conclusion**:Anaemia (Hb%) is Most commonly affected hematological parameter in our study. So frequency of affected parameter in hiv infection is anaemia > leucopenia > thrombocytopenia > eosinophilia.

**Keyword**s: Anaemia , Leucopenia, Thrombocytopenia , Eosinophilia