

ELEVATED SERUM ACID PHOSPHATASE: PROSPECTIVE MALARIAL MARKER

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ABSTRACT

Present study was conducted to investigate serum acid phosphatase (ACP) and hemoglobin (Hb) level in malaria and non-malarial fever patients. Total 90 samples were analysed (39 malarial, 20 non-malarial and 31 healthy controls). Serum ACP level was significantly raised in malarial patients with mean serum ACP level 5.40 ± 0.395 U/dl (p value < 0.003). The level of Hb was decreased in all malaria patients which indicates that malarial parasite uses host erythrocytes Hb as major nutrient source. These results suggest that measurement of ACP could be used as a marker of malaria.

KEYWORDS: Acid Phosphatase, Hemoglobin, Malaria