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STATEMENT OF SOURCES DECLARATION

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March, 2014

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LIST OF ABBREVIATIONS:

Abbreviations	Elaborations
BLRI	Bangladesh Livestock Research Institute
CBC	Complete blood count
DLC	Differential leucocyte count
TLC	Total leucocyte count
WBC	White blood cell
PCV	Packed cell volume
ESR	Erythrocyte sedimentation rate
MCH	Mean corpuscular hemoglobin
MCHC	Mean corpuscular hemoglobin concentration
MCV	Mean corpuscular volume
RBC	Red blood cell
EDTA	Ethylene di Amine Tetra Acetic-acid
SAQTVH	Shahedul Alam Quadery Teaching Veterinary Hospital

Hematobiochemical Indices of *Peste des Petits Ruminants* (PPR) Affected Goat

ABSTRACT

A cross sectional prospective study was conducted from September to November 2013 on hematological and biochemical parameters in Peste des Petits Ruminants (PPR) affected goats registered in SAQ Teaching Veterinary Hospital of Chittagong Veterinary and Animal Sciences University (CVASU). This study was aimed to get the ideas on altered haematobiochemical parameters in PPR affected goat. For this, at first physical and clinical examination along with history taking was done to make a presumptive diagnosis of PPR followed by haematological and biochemical analysis of blood sample drawn from the goats. Increased lymphocytes (69.6 ± 7.92 %) and reduced sodium level (104.21 ± 35.68 mmol/L) was the key findings where Packed cell volume (PCV), Lymphocyte and Total leucocyte count (TLC) were more in female than male but sodium was more in male than female. However, sodium level was decreased in Non descriptive and Black Bengal and TP was increased in Jamnapari. Additionally, PCV, lymphocyte and TP increased in younger than older. The study suggests further intensive study on hematobiochemical parameters and globulin level assessment.

Key Words: Goat, PPR, hematological, biochemical, mean.