**ANALYSIS OF PHYSICAL, BIOCHEMICAL AND HEMATOLOGICAL PARAMETERS OF RUMEN FLUID AND BLOOD IN DIGESTIVE DISORDERED GOAT**

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# A clinical report submitted by

Intern ID: D-39

Roll No: 2007/43

Registration No: 330

 *In Partial Fulfillment for the Degree of Veterinary Medicine*

**Chittagong Veterinary and Animal Sciences University**

**Khulshi, Chittagong**

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**ABSTRACT**

The study was carried out by collecting sample of rumen fluid and blood from the goat at SAQTVH, Chittagong during my internship programme. After collection of rumen fluid from diseased (anorexic, digestive disordered animal) different physiological parameters of rumen fluid (e.g. color, odor, consistency, pH) and motility and number of protozoa observed and studied in relation with different digestive disorder of goat. This study reveal three colors of rumen fluid such as-greenish, greenish brown, milky grey were found respectively 20%, 40%, 40%, which indicate the normal, alkalosis, acidosis respectively. Odor was found different types, these were –sour (40%), aromatic (20%), pungent (40%) indicating the acid indigestion, normal condition sub acute indigestion respectively. Consistency was found in following order-watery (20%), gruel like (40%), thick watery (40%) respectively. In the same way pH ranged from 5 to 5.9 (40%), 6 to 7 (20%) and remaining above pH 7(40%) that indicate acidosis, normal condition and alkaline indigestion of animal respectively. Study of rumen protozoal motility showed that vigorous (20%), moderate (20%), mild (20%) and absent (40%) were found respectively which indicate that animals in anorexic condition their protozoal motility were mild or absent. Besides the study helps to know about biochemical parameters of different types of minerals and hematological parameters in rumen fluid and blood of digestive disordered goat.

Key words: Rumen acidosis, alkalosis, Biochemical, Hematological.

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